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# PRICE LIST

## RAFFIA, REED AND SWEET GRASS.

### REED.

No.	0 Reed.....	per lb, \$1.50	per oz.	15c
1 "	" 1.00	"	10c	
2 "	" .85	"	10c	
3 "	" .75	"	10c	
4 "	" .75	"	10c	
5 "	" .75	"	10c	

### RAFFIA.

Natural.....	per lb.	.25 per oz.	5c
Colored—in 8 shades	"	.65	" 10c
SWEET GRASS....	"	\$2.50	" 20c

Books of instruction on Raffia work and Basketry Illustrated mailed on receipt of 40c.

**Mail and Express Orders given Prompt Attention.**

## BOOKS--IT PAYS TO READ--BOOKS.

We will send any of these books, postpaid, to any address upon receipt of prices annexed
Alfalfa, and How to Grow It, by F.D. Coburn, 60c.
Asparagus Culture, 60c.
Gregory on Cabbages, 40c.
Celery Culture, by J. C. Vaughan, 60c.
Feathered Pets—Complete Book on Birds, 40c.
The Practical Fruit Grower, cloth, 60c.
Insects and Insecticides, by Prof. C. M. Weed, \$1.75.
Mushroom Culture, by William Falconer, \$1.25.
Gregory on Onion Raising—What kind to raise and how to raise them, 40c.
Strawberry Culturist, by Andrew S. Fuller, containing all information necessary to enable everybody to raise their own strawberries. Illustrated. Flexible cloth, 25c.
A B C of Agriculture, 60c.
A B C of Strawberry Culture, 50c.
A B C of Potato Culture, 5c.
Silos, Ensilage and Silage, cloth, 50c.
Tomato Culture, 135 pp., illustrated, 50c.
Our Farm of Four Acres and the Money we made by It, paper cover, 12 mo., 40c.
First Lessons in Dairying, by Hubert E. Van Norman, 50c.
Physical Properties of the Soils, by A. G. McCall, 50c.
Soiling Crops and the Silo, by Thomas Shaw, \$1.50.
The Horse: How to Buy and Sell, by Peter Howden, \$1.00.
How to Handle and Educate Vicious Horses, by Oscar R. Gleason, 50c.
Key to Profitable Stock Feeding, by Herbert Myrick, 25c.
Swine in America, by F. D. Coburn, \$2.50.
Diseases of Swine, by Dr. R. A. Graig, 75c.
Silos, Ensilage and Silage, by Manly Miles, 50c.
The Practical Fruit Grower, by S. T. Maynard, 50c.
Landscape Gardening, by F. A. Waugh, 50c.
Spraying Crops, by C. M. Weed, 5c.
Barn Plans and Outbuildings, \$1.00.
Ten Acres Enough, by I. P. Roberts, \$1.00.
Hunter and Trapper, by Halsey Thraher, 50c.
<b>BOOKS—POULTRY.</b>
Reliable Poultry Remedies. How to Prevent and Cure Diseases. 84 pages, 40c.
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Turkeys. How to Raise Turkeys Profitably. 84 pages, 85c.
Profits in Poultry. \$1.00.
Poultry Feeding and Fattening, by G. B. Fiske, 50c.

## USEFUL

Of Plants per Acre at the following distances apart.						
ft. by 1 ft.	43,560	6 ft by 6 ft.	1,210	ft.	Plants	Plants
½ " 1½ ft.	19,360	8 "	8 ft.	680		
" 1 ft.	21,780	9 "	9 ft.	537		
" 2 ft.	10,898	10 "	10 ft.	435		
½ " 2½ ft.	6,969	12 "	12 ft.	302		
" 1 ft.	14,520	15 "	15 ft.	193		
" 2 ft.	7,260	18 "	18 ft.	134		
" 3 ft.	4,840	20 "	20 ft.	103		
" 4 ft.	2,722	25 "	25 ft.	70		
" 5 ft.	1,742	30 "	30 ft.	48		

## TABLES.

Number of Plants Produced from 1 oz. of Seed.	
Asparagus	about 500
Broccoli	" 2,000
Cabbage	" 3,000
Cauliflower	" 4,000
Celery	" 4,000
Egg Plant	" 1,000
Endive	" 3,000
Kale	about 2,000
Leek	" 1,000
Lettuce	" 3,000
Pepper	" 2,000
Sage	" 1,000
Tomato	" 3,000
Thyme	" 5,000

## SEED SOWN PER ACRE.

Seed Sown per Acre.	Wt. per bu	Seed Sown per Acre.	Wt. per bu	Seed Sown per Acre.	Wt. per bu
Timothy, ¼ to ½ bu	.45 lbs	Millet, ½ to ¾ bu	.50 lbs	Dwarf Essex Rape,	.5 lbs
Lucerne, or Alfalfa, 30 lbs	60 lbs	Hungarian, ½ to ¾ bu	.48 lbs	Peas, 2½ bu	60 lbs
Clover, Red, 10 to 15 lbs.	60 lbs	Wheat, 2 bu	.60 lbs	Beans, 1 bu	62 lbs
Clover, Alsike, 5 to 10 lbs	60 lbs	Buckwheat, ¾ to 1 bu	.48 to 50 lbs	Pumpkin Seed, 2 qt.	.27 lbs
Clover, Crimson, 15 lbs	60 lbs	Rye, 1 to 2 bu	.56 lbs	Turnip, 1 lb	
Cow Peas, 60 lbs	60 lbs	Oats, 2 to 3 bu	.32 lbs	Spinach, 8 lbs	.42 lbs
Red Top, 2 to 2½ bu	14 lbs	Oats, Winter, 1¾ bu	.32 lbs	Beet, 4 to 6 lbs	
Blue Grass, 2 bu	14 lbs	Barley, 2 bu	.48 lbs	Squash, 2½ lbs per acre	
Orchard Grass, 2 bu	14 lbs	Flax Seed, 1 bu	.56 lbs	Parsnips, 3 to 4 lbs	
Yellow Sand Clover, 15 lbs	60 lbs	Corn, ¾ bu	.56 to 60 lbs	Cabbage, ¼ lb	
White Clover, 6 to 10 lbs.	60 lbs	Potatoes, 6 bu	.65 lbs	Cucumber, 1 lb	
Sweet Vernal, 1 to 1½ bu	11 lbs	Sweet Corn, ¾ bu	about 45 lbs	Carrot, 2½ to 3 lbs	.20 lbs
				Onion, 5 to 6 lbs	.56 lbs

**NON-WARRANTY.**—F. H. Ebeling gives no Warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants he sends out, and he will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

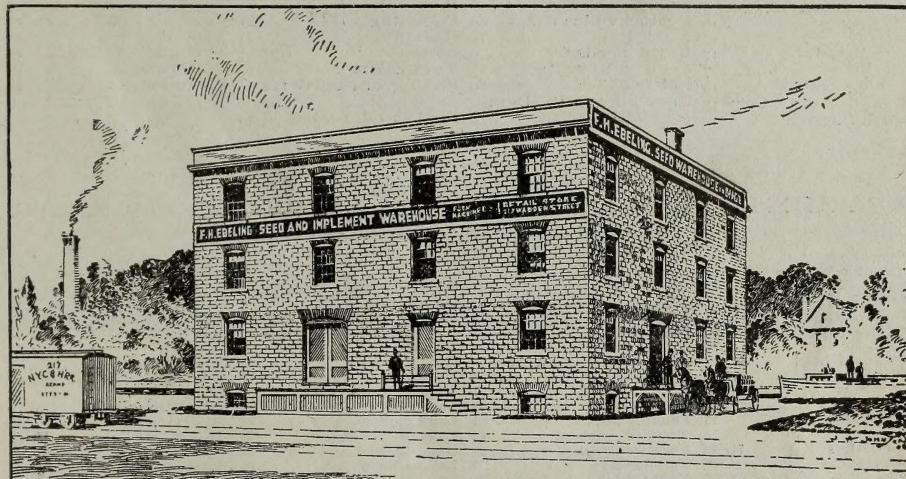
# 1868--What 44 Years Have Proved--1912

I feel that I owe a debt of gratitude to the Central New York people. Through your help, cooperation and patronage I now begin my 44th year of continuously successful business.

Forty-three years have proved many things.

Without egotism I can say that the record has been one of steady growth and progress. There have been mistakes, but mistakes have meant knowledge. The business has been a school of experience and experiments as to what constitutes the most reliable, practical and profitable supplies for the farm, garden, greenhouse, lawn, dairy and poultry yard. Now, when we offer you farm implements, machinery, hardware or paints, we absolutely know that we are providing you with the very best that your money can buy. When we import and contract for you flower, garden and farm seeds and bulbs, we know that the varieties we have selected are the best adapted to our Central New York climate.

Thanking you all for your generous patronage throughout the years that have passed, and trusting that this Catalogue and Seed Book will help you make this year the most prosperous of all the years that have gone, I remain, Yours very sincerely, F. H. EBELING. Jan., 1912



**F. H. EBELING'S SEED AND IMPLEMENT WAREHOUSE,  
538 and 540 Canal St. RETAIL STORE, 217 Warren St.**

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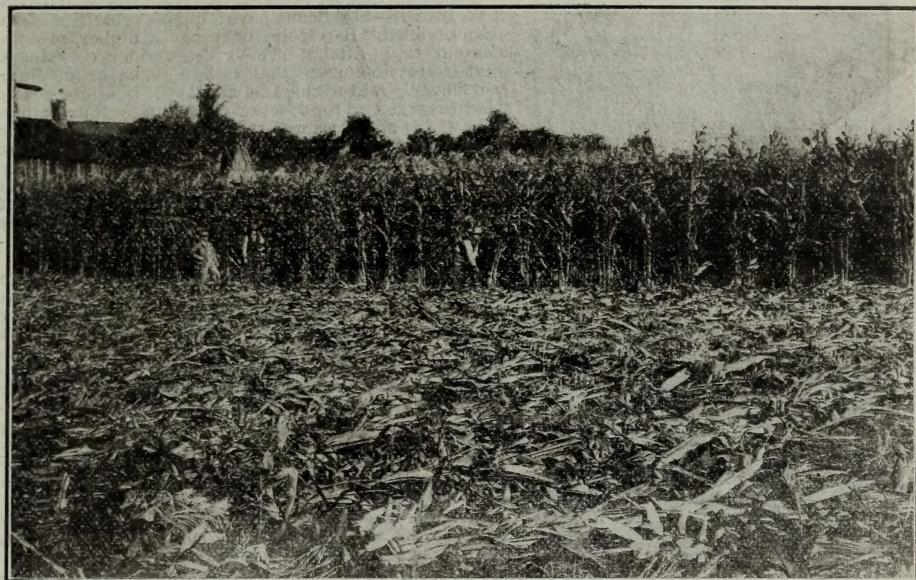
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# EUREKA ENSILAGE CORN



Field of Eureka Ensilage Corn grown by John R. Jones, Morrisville, N. Y. (See his testimonial p 8)

We have secured a carload of very choice seed stock of this Eureka Ensilage Corn, especially for our critical farmer trade.

This distinct variety is noted for its abundant leaves and extreme height. You may remember seeing this extraordinary corn on exhibition at our State Fair booth. This corn measured 19 feet high—and this is not a rare height for this corn.

As it is a Southern type our short season does not allow it to mature—instead our strong Northern soil produces an extremely heavy growth of stalk and leaf—making it especially valuable as ensilage. You will find the quantity is about double that of the common ensilage varieties.

The carload of select seed stock which we have secured for you comes from a very small growing section in which this variety is produced in its genuine perfection. Just a word of warning. Do not be misled by those who claim to have the real Southern Eureka Ensilage Corn. It is very liable to be in reality the common Southern Horse Tooth variety.

This wonderfully leafy variety of Southern Corn was originated some 20 years ago. It is the result of many years' development. Each year there was made a careful selection of seed from the stalks producing the most leaves. No other variety can equal this corn. The seed we have will grow the tallest and produce the greatest number of leaves; therefore, making the greatest possible weight in good silage. Price \$2.50 per bushel.

Note—The genuine Eureka Ensilage Corn will be very scarce this season—so we urge you to place your order early.

Mr. F. H. Ebeling, Syracuse, N. Y.:

Dear Sir:—We raised the largest crop of Eureka Ensilage Corn we ever harvested. Average height about 14 feet, stalks large, rapid grower, and think the feeding value better than other varieties of dent corns.

Hamilton, N. Y., January 15, 1912.

BETTS BROTHERS.

Mr. F. H. Ebeling, Syracuse, N. Y.:

Dear Sir:—I sowed twenty acres of Eureka Corn, rows 42 inches apart. Besides this I had four acres in another place, and from these two pieces I filled and refilled two silos, 16 x 40 and one silo 16 x 32 feet. I had one acre sown the 18th of June, which did extra well for the time sown. From this acre I took forty-two tons of corn. My average was about thirty tons per acre, which is ten tons per acre better than I ever had any other variety do. This variety is the only one I know that will not rot in the ground, no matter how wet and cold the season.

Cortland, N. Y.,

Yours very truly,

M. J. PECK.

## EARLY MEDIUM GREEN SOY BEANS



**USEFULNESS OF THE EARLY MEDIUM GREEN SOY BEANS**—Soy Beans have a higher protein content than oil meal. Hay from them has a higher protein content than Alfalfa. The green fodder contains a higher protein content than either alsike or medium red clover. Add to this the fact that it is easily possible to secure two to three, or occasionally four to five tons of dry hay per acre; that from twenty to thirty bushels of seed per acre are frequently reported; that the plant is a legume and adds fertility to the soil fully as rapidly as the clovers or other legumes; that it will grow on soil too poor or acid for the easy success of Alfalfa; and you have a splendid combination, certainly qualities that are hard to excel with any of our cultivated crops.

No plant has a more useful range of possibilities than the Soy Bean. When one stops to think of the great feeding value of the grain, of the entire plant's being very valuable for forage of its being a legume and a heavy gatherer of nitrogen to the soil, nor difficult to grow or exacting as to the kind of soil it requires, we must realize that it occupies a position unique among all our crops. Not only is the grain as nourishing as oil meal, but it is as greedily eaten as corn and as easily digested as any grain. Moreover, there seems to be a tonic effect about the entire plant, and stock fed either the grain or the forage become full of energy as with no other grain.

As a nitrogen gatherer we are sure the Soy Bean has no superior, and where a crop to plow under is desired, nothing is better to add humus to the soil.

Its possibilities for silage has been thoroughly tested in connection with corn, the beans greatly assisting to make a balanced ration. When all these facts are considered, and also that it will grow on either fertile or impoverished soils, either limestone or freestone, its value is an established fact.

Many a time a meadow winter kills and a catch-crop is needed. Millet has been largely used, but Soy Beans mature so quickly that they may be sown at the same time you would Millet and the hay is much more valuable. One hundred pounds of Soy Bean Hay contains twice as much protein as the same quantity of Millet Hay.

**Making Soy Bean Hay**—September is the best month for making Soy Bean Hay. Begin cutting as soon as the dew is off the plants, and continue the rest of the day. Let the plants lie in the swath until the leaves are well wilted, but rake them before the leaves become dry and brittle. They should be left in the windrows for a day or two then put in small cocks. Three to six days of good weather are required for making Soy Bean Hay. The hay when dry should be placed in good-sized stacks or under a shed. When stacked the hay should be covered as it does not shed rain well.

What will surprise the grower is the splendid value of the hulls and stalks after the grain has been threshed. Both cows and sheep prefer the hulls to clover hay, and eat them and the stalks, dry and woody as they seem, and like them fully as well as the clover.

**Time of Planting and Cultivation**  
—Soy Beans are not a lazy man's crop. They require as much skill and patience as the potato crop. Plow your land early in the spring, if possible, selecting soil that is not too foul with weeds. Prepare and cultivate the same as for corn, giving frequent harrowings to kill the weeds as they appear; therefore, wait until corn planting time before planting the beans. Plant in with the corn or in alternating rows. Sow 3 1/4 bu. to the acre. We advise planting in drills about 36 inches apart, 2 or 3 inches in the drill.

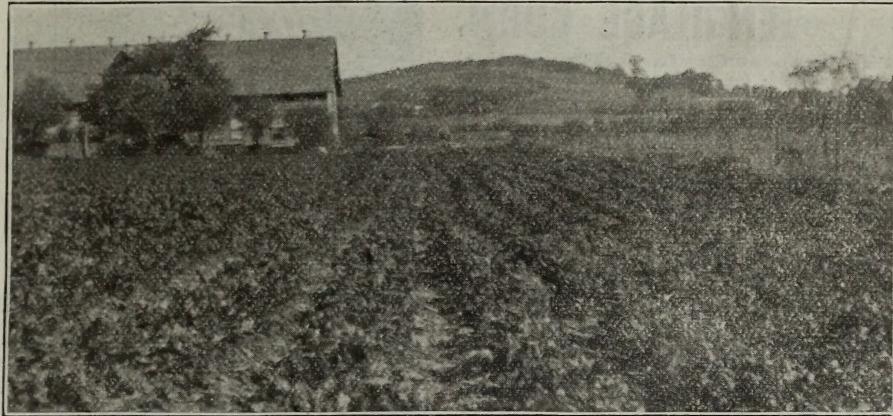
**Price, \$5.00 per bushel.**

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See page 8 for Testimonials



# HOW WOULD YOU LIKE TO HAVE A FARM LIKE THIS?



## THE "DAVID HARUM" FARM

This illustration is made from an actual photograph of a field of Ideal Mangel Beets grown on the "David Harum" Farm at Homer, N. Y. The farm is owned by Chas. M. Crouse of Syracuse.



NEW IDEAL MANGEL.

Mr. Crouse states that he has grown the Ideal Mangel Beet for many years and considers it the best. The farm superintendent, Mr. Edeson Tyrrell, says there's no other mangel beet equal to the Ideal, because the large percentage of sugar in the Ideal greatly increases its feeding value.

## THE IDEAL SUGAR MANGEL BEET

Our illustration faithfully shows the shape of this beet. Its perfect "chunk" form stands for easy harvesting in hard soils. This new and original Mangel has been compared with thirty other varieties by laboratory tests on trial grounds and their demonstration has proved the Ideal to be superior in quality from each of the following points:

It contains the greatest amount of dry substance.

It contains the greatest amount of sugar, which means feeding value.

This Mangel always grows high above ground.

It's the easiest of all to harvest.

These Mangels, under favorable conditions, sometimes weigh 30 lbs.

Size, quality and yield are three important points that no farmer can afford to overlook. This season we have a limited quantity of seed to offer. While it lasts we will offer it at \$1.00 per pound.

## HARDWARE

F. H. Ebeling, Syracuse, N. Y., Sells everything in Hardware, Paint, Glass, Putty, Nails, Cutlery, Shears, Razors, Knives, Etc.

# IOWA GOLD MINE ENSILAGE CORN.

**The Deepest Grained, Purest Yellow Corn in Existence. The Corn that has put Thousands of Good Gold Dollars into the pockets of our farmers and dairymen.**

The Iowa Gold Mine Corn is giving such eminent satisfaction that we again give it the place of honor in the corn family. It puts gold dollars in the pockets of all who use it. I can only repeat what I said about it in 1911.

This magnificent variety of corn will grow 14 feet high and matures with our field varieties. It has the largest kernel and smallest cob of any Ensilage Corn known. The grain value of this wonderful variety is about double that of the Leaming or Pride of the North with their immense cobs and small kernels. It is everything that the Pride of the North and Leaming can possibly be, with the great grain producing quality added. There you have it in a nut-shell. It is the biggest milk and money producer on the American continent. Price \$2.00 bu. shelled.

## LUCY'S FAVORITE DENT FIELD CORN

This variety contains the best there is in the Western Dent and Eastern Flint.

Stalks are tall, slender and contain many wide leaves. A long ear with small cob filled with large, broad, dented kernels, thus combining all the good points to be found in the parent stock.

This corn was grown in Onondaga County and is thoroughly acclimated. It may be planted as late as May 25th and will ripen with our ordinary State Flint sorts.

Note what two prominent Onondaga county farmers say of it: Price, \$2.50 per bushel.

Elbridge, N. Y., Dec. 10, 1910.

Mr. F. H. Ebeling:

Dear Sir—Lucy's Favorite is a strong growing bright yellow dented corn, said to be a hybrid of White Flint and Western Dent, taking the small cob of the White Flint with the large kernels of the Dent corn flattened out to the size of your finger nail. Corn breaks off very easy in husking. Stalks oftentimes having two and three ears being one of the heaviest yielders I ever raised. Planted May 18th, it was fully matured and cut before the frosts touched it. Extra good for fodder, as its leaves are very broad and long. Like all hybrids of this class it grows eight, ten or twelve rows to the ear. We measured out a bushel basket of Lucy's Favorite Corn and shelled it, and the shelled corn weighed 34 1-2 pounds, equal to 69 pounds of shelled corn to two bushels of ears. I never have seen so much corn from so few cobs. I consider it one of the best of the new varieties.

Yours truly,

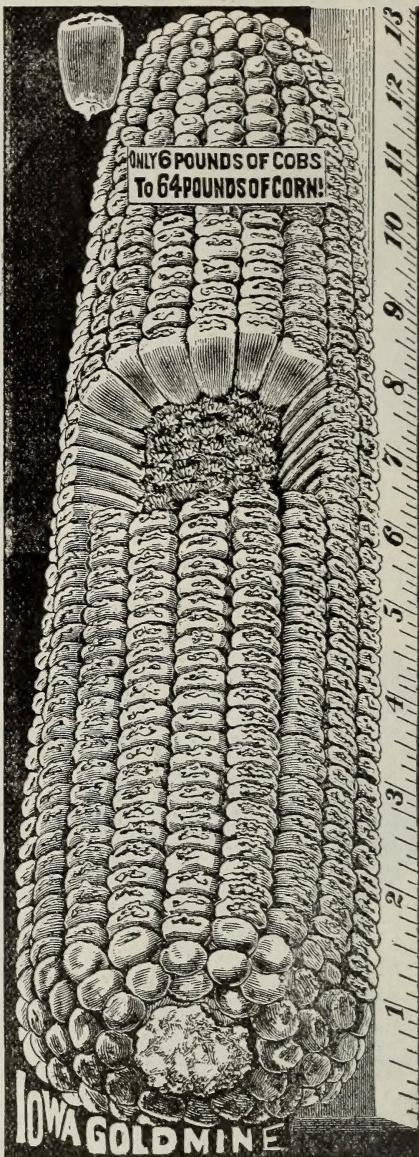
ALFRED E. STACEY.

"I planted Lucy's Favorite Dent Corn on May 24th in well prepared ground and fairly well cultivated and cared for. This healthy and rapid growth was a source of pride and satisfaction to myself and to all that saw it. The stalks are slender, with an abundance of extra wide leaves, and attained a growth of from ten to eleven feet on the average. The corn was all ready for harvesting September 5th, if wanted for ordinary crib corn, but being such a splendid crop I allowed it to stand until September 20th for more perfect ripening.

"It yielded ninety-five bushels to the acre, with practically no soft corn at all.

"The ears are of unusual length and the cob exceedingly small. In fact, this corn is the most profitable and satisfactory of any that I have ever grown."

P. S.—The above description of Iowa Gold Mine and Lucy's Favorite Corn appeared in my 1911 catalogue, and covers the ground so well that I again repeat it without modification. F. H. E.



# Canada Field Peas---Vetch---Soy Beans---Cow Peas



Nitrate sacks on Cow Pea roots, 1000 pounds per acre.  
Equal to 8 tons of manure.

Greater yields of Peas and beans for canning purposes are assured by the use of Farmogerm inoculation. These crops will also command higher prices when inoculated because the yield is much richer and better filled out. Every trucker should use inoculations without fail when planting peas and beans for the cannery.

are great soil enrichers when inoculated with Farmogerm. They produce on their roots great quantities of sacks or nodules containing nitrates, thus enriching the land, while they are yielding a great amount of forage. Farmogerm inoculations are pure cultures, prepared ready for use by mixing with the seed before planting thus avoiding the transfer of weeds and soil diseases by the old method of transferring soil from one farm to another. We strongly recommend the use of Farmogerm inoculations on all legume seeds.

## SEED AND SOIL INOCULATIONS

are indorsed by farmers, stock growers and agricultural experimental stations throughout the country. There has been no greater step in agricultural development than the discovery of this means of delivering to the farmer these absolutely necessary inoculations for his legume crops.

## FOR GARDEN PEAS, BEANS, SWEET PEAS,

**Yield Much Earlier, Better and Longer**

**TRADE FARMOGERM MARK**  
HIGH-BRED NITROGEN GATHERING BACTERIA

THE STATE COMPANY, A. E. Gonzales, Pres., Columbia, S. C.

Earp-Thomas Farmogerm Co., Bloomfield, N. J. Dear Sirs—I enclose check for \$63 for my June account. I have made careful test of the inoculated cow peas, planted without fertilizer or manure, against the same seed planted at the same time on the same land without inoculation, but with commercial fertilizers in one plot and stable manure in another. So far, the results are in favor of the plot inoculated with Farmogerm. Please send me at once inoculation for nine acres Alfalfa and 40 acres Vetch.

September 4th, 1911.

Yours truly, (Signed) A. E. GONZALES.

THE EDISON PORTLAND CEMENT CO., Stewartsville, N. J.

Earp-Thomas Farmogerm Co., Bloomfield, N. J. Gentlemen—We agree with you that Farmogerm and Pulverized Limestone should get acquainted with each other as the success of either one is quite dependent upon the other. The writer is somewhat familiar with artificial soil inoculation and knows something about Farmogerm and believes it to be a business article. Nitrogen is plentiful and very necessary to plant life, but the soil must be supplied with gathering forces to get it where it is available to plant life.

Yours very truly,

EDISON PORTLAND CEMENT CO.

September 5th, 1911.

**NITRATE OF SODA MAKES GIANT HAY CROPS.**—An average increase of 2775 pounds per acre of field-cured hay was shown in 11 actual tests where Nitrate of Soda was used. Tests were made from Nova Scotia to Missouri, and only 100 pounds of Nitrate of Soda was used per acre. Compare increase with cost of this great fertilizer. Compare fields shown in above actual reproduced photograph. Nitrate of Soda is best and cheapest Nitrogenous fertilizer with which to furnish nitrogen to plants. Price per 100, \$3.85.

## "GRASS GROWING FOR PROFIT,"

And other valuable information about NITRATE OF SODA and what it is doing for farmers everywhere will be mailed free to farmers on application. Send address on post card.



Medal awarded to

F. H. EBELING

for his choice collection  
of seeds at St.  
Louis by the Louisi-  
ana Purchase Expo-  
sition.



## ERRORS

We sometimes make them; so does everyone! We will CHEERFULLY correct ours if you will write us. How can we correct them if you DON'T? Try to write to us good naturedly, but if you can't, then write to us anyway. Don't kick to anyone else, or nurse a grievance. If we have ever made an error or offended you, it's only simple justice to us to let us know. We correct our mistakes gladly. If our methods don't appeal to you, help us with criticism from your point of view. It is inevitable that in business letters hastily written should sometimes rub the wrong way. We may be awkward in expressing ourselves, but our goods are honestly sold and we aim to give everyone a square deal.

## UNSOLICITED TESTIMONIALS

MR. F. H. EBELING—My Dear Sir—I have raised Soy Beans for a number of years. First as an experiment, and I soon found out their feeding value not only as a milk producer but in the saving of feed. For three years I have used no mill feed during the winter and my cows are in better condition and come out in the spring healthier than when I depended largely on mill feeds. Also, I save a goodly sum in the purchase of these feeds. I fit my soil for corn by thoroughly plowing and harrowing good enough for seeding. I mix one-half bushel of beans and one-half bushel of corn together and plant with a corn planter. The beans grow and twine around the corn stalks, so at the time of harvest any good corn harvester will cut and bind the crop. Some claim the ground has to be inoculated, but I find I have as good results on ground that will raise good clover without the aid of inoculation. I would advise any farmer with a silo to raise at least one acre and try them, and in filling the silo put in corn clear for a distance, then a large fork full of straw. Then put in the beans and corn, then a large fork full of straw, then corn again. In this way you will see when you come to the beans and can readily see for yourself the increase of milk. The raising of the Soy Beans has gone beyond the experimental stage. They have come to stay, and like Alfalfa, one of the best crops for the dairy farmer to raise. I have tried the different kinds, but find the Early Medium Green Soy Beans the surest and best for this latitude. Yours very truly.

January 10th, 1912

P. S.—This description and experience was written by a valued patron, but whose modesty would not permit his name to be used.

MORRISVILLE, Jan. 22nd, 1912. F. H. Ebeling, Dear Sir—Yours of the 15th received, and in reply will say that I cannot say enough in praise of the Eureka Corn. It makes the best ensilage that I ever fed. It grew on an average of 16 feet high, with extra large ears, 1 to 3 ears on a stalk and well developed. I enclose you picture of my field of 1911. Yours, John R. Jones.

SHERBURNE, N. Y., Sept. 4th, 1911. Mr. F. H. Ebeling, Syracuse, N. Y., Dear Sir—Enclosed please find check for seeds bought last spring. The seeds were very fine, as is shown by my crops this fall, which are the best I ever had. Yours truly, E. B. Reynolds.

HAMILTON, N. Y., Nov. 28th, 1911. F. H. Ebeling, Syracuse, N. Y. Dear Sir—I planted Eureka Ensilage Corn I purchased of you this season and consider it superior to any other Ensilage Corn I have ever used. It is a strong, rapid grower. It grew me 32 ton 16-100 lb. per acre. R. S. Tooke,

## Extra Re-cleaned Grass and Clover Seed

Nothing is more important to the farmer than that the grass seed he sows should be pure and clean. The seed should also be plump, heavy, and well ripened so as to insure a good stand. First-class thoroughly re-cleaned seed, while considerably more costly in the first place, is really much cheaper in the end than the light chaffy grades generally sold at much lower prices,—even should the latter be free from weed seeds. Heavy plump seed, germinating better, will produce a much greater number of strong plants.

We handle but one grade,—that is the very **BEST** which can be obtained from any source. At pound prices, where so stated, we send grass seed by mail, postpaid. In larger quantities the prices are for seed to be sent by express or freight (sacks included), at purchaser's expense. Where large quantities are desired or **Special Mixtures** wanted for different soils, we should be pleased to advise as to the proper varieties.

Prices on grass seed fluctuate. Write for prices on large quantities.

### GRASSES

**ALFALFA, OR LUCERNE.** (*Medicago sativa*). It strongly resembles clover in habit of growth and feeding value, but withstands drought much better. It is a perennial plant on well-drained soils, so that when once established it will continue to produce large crops for twenty years when properly cared for, and on some of the rich western prairies yields four to five large cuttings in a single season. It must be cut every time it comes into bloom, and not allowed to produce seed if permanency is desired. The plant is quite hardy, but will not succeed on low wet soils. Sow from 20 to 35 lbs. per acre. Per lb. 40 cts., postpaid. By express or freight: 30 cts. per lb.; 10 lbs. at 28 cts. per lb.



Alfalfa in parts of the Eastern States has failed to establish itself, and this, we understand, has been owing to the fact that in many cases the seed has been sown on soil not suited to the crop. William Jasper Spillman, Agrostologist of the United States Department of Agriculture, in the Year-Book for 1907, states: "Generally speaking, four conditions are necessary for the success of Alfalfa: (1) The land must be rich, or must be made rich if it is not already so. (2) Must

be rendered alkaline in some manner, preferably by the application of some form of lime. (3) It must be well inoculated by the germs required by the Alfalfa plant. (4) At least in the northern sections of the Eastern States the seed should be sown on well prepared land in summer,—certainly before September 1st. Farther south the time of seeding is later—in the fall or early spring. Of course, there are localities where Alfalfa can be grown without all these conditions and precautions."

**ORCHARD GRASS.** (*Dactylis glomerata*). This is one of the most desirable pasture grasses for stock and also for producing large crops of hay. It succeeds well in quite shady places, hence the name of Orchard Grass. Choicest re-cleaned seed, 14 lbs. to the legal bushel,—but our seed is heavier; 3 bushels to the acre. Per lb. 40 cts., postpaid; per bushel of 14 lbs. about \$3.75.

**TIMOTHY.** (*Phleum pratense*). Of the easiest cultivation and with us is usually sown in connection with winter grain in the fall, to which a seeding of clover is added early in the spring. 45 lbs. to the bushel; from  $\frac{1}{2}$  to 1 bushel to the acre. Per lb. 35 cts., postpaid; price per bushel about \$9.00.

**KENTUCKY BLUE GRASS.** As is well known, this is the grass for which the State of Kentucky is famous, and frequently in some sections of the country it is used in making lawns, although it is preeminently a pasture grass. When Kentucky Blue Grass is used for lawn purposes, the seed is generally sown at the rate of two and one-half to three and one-half bushels to the acre, and if White Dutch Clover is desired, seed should be added at the rate of about one-half pound to one bushel of grass seed. Kentucky Blue Grass thrives best in well-drained or limestone soils. Legal weight, fourteen pounds to the bushel, and for pasturage it is customary to sow two and one-half bushels to the acre. Our re-cleaned seed weighs 20 pounds per bushel, and hence less than two bushels are required per acre. Unfortunately, the cost of seed is again unusually high. Per lb. 50 cents. postpaid; per bushel of about 20 lbs., \$7.25.

**ENGLISH RYE GRASS.** (*Lolium perenne*). This makes a quick growth very early in spring, and is adapted for cool, moist locations, recommended for fall seeding on Bermuda-grass lawns in the South, giving them a bright green appearance all winter. 24 lbs. to the bushel; 3 bushels to the acre. Per lb. 25 cts., postpaid; per bushel of 24 lbs. \$2.75.

**ITALIAN RYE.** (*Lolium Italicum*). This is distinct from the preceding, being of much larger and stronger growth, with large broad glossy-green blades. It succeeds best in moist fertile soils. About 20 lbs. to the bushel; 3 bushels to the acre. Per lb. 25 cts., postpaid; per bushel \$2.50.

**RED TOP OR HERD GRASS.** (*Agrostis vulgaris*). It is a most valuable addition to sow with timothy and clover to form a close sward for pasturage. About 32 lbs. to the bushel; 1 bushel to the acre; for lawns, 3 bushels to the acre. Per lb. 40 cts., postpaid; per bushel of 32 lbs., about \$8.35.

**CRESTED DOGSTAIL.** (*Cynosurus cristatus*). A valuable addition for lawn grasses which require close cutting and an ability to resist trampling, as in golf links, etc. 25 lbs. to the legal bushel; 1 to 2 bushels to the acre. Per lb., 50 cts., postpaid; per bushel of 25 lbs., \$8.75.

**CREEPING BENT.** (*Agrostis stolonifera*). Especially adapted to moist lands and those which are occasionally overflowed. Its peculiar habit of branching underneath the surface enables it to resist to the greatest extent tramping and pasturage. About 25 lbs. to the bushel; 2 bushels to the acre. Per lb., 45 cts., by mail, postpaid; per bushel of 25 lbs., \$7.75.

**HARD FESCUE.** (*Festuca duriuscula*). An excellent pasturage of lawn grass, succeeding well in dry or shady locations. About 16 lbs. to the bushel; 2½ bushels to the acre. Per lb., 40 cts., postpaid; per bushel of 16 lbs. \$4.00.

**SHEEP'S FESCUE.** (*Festuca avina*). Slender blades growing in close, compact clumps and from six to ten inches in height. About 18 lbs. to the bushel; 2½ bushels to the acre. Per lb., 40 cts., postpaid; per bushel of 18 lbs., \$4.50.

**MEADOW FESCUE.** (*Festuca pratensis*). A fine pasture grass. About 22 lbs. to the bushel; 2 bushels to the acre. Per lb., 60 cts., postpaid; per bushel of 22 lbs., about \$9.50.

**TALL MEADOW OAT.** (*Avena elatior*). A very valuable pasture grass. It is especially adapted for rather dry light soils. About 10 lbs. to the bushel; 4 to 5 bushels to the acre. Per lb., 40 cts., postpaid; per bushel of 10 lbs., \$2.75.

**WOOD MEADOW.** (*Poa nemoralis*). An excellent pasture or lawn grass, desirable for planting under trees on the lawn. 14 lbs. to the bushel; 2 bushels to the acre. Per lb., 60 cts., by mail, postpaid. By express: \$6.00 per bushel.

**ROUGH - STALKED MEADOW GRASS.** (*Poa trivialis*). A valuable grass for moist soils or meadows, making excellent pasturage or very nutritious hay. About 18 lbs. to the bushel; 35 lbs. to the acre. Per lb. 55 cts., postpaid. By express: 45 cts. per lb.; per bushel of 18 lbs., \$7.50.

**MEADOW FOXTAIL.** (*Alopecurus pratensis*). Closely resembles Timothy in growth, but has a soft feathery head. It is a valuable pasture grass by reason of its rapid growth. About 7 lbs. to the bushel; 3 bushels to the acre. Per lb. 55 cts., postpaid; per bushel of 7 lbs., \$2.85.

**HUNGARIAN BROME, OR AWNLESS BROME.** (*Bromus inermis*). This closely resembles Schroederi, or Rescue Grass, but is much more leafy, finer stalked, and more stiffly erect; its seeds are more numerous and in closer heads. It makes quick strong growth, providing splendid pasturage or hay. It sprouts out into fresh growth very quickly after being mown, and we think it is the ideal grass for hot dry regions and thin soils. 14 lbs. to the bushel; about 35 to 40 lbs. to the acre. Per lb. 35 cts., postpaid; per bushel \$2.85.

**HUNGARIAN MILLET.** (*Panicum Germanicum*). Seed can be sown early in July to produce a good crop of hay. To make the best hay it should be cut before the seeds become hard. 48 lbs. to the bushel; 1 bushel to the acre. Per bushel about \$2.40.

**GOLDEN OR GERMAN MILLET.** This is the favorite variety for planting in good land to produce a large crop of hay or forage during the summer months; of very strong growth. 50 lbs. to the bushel; 1 bushel to the acre. Tennessee grown. Per bushel about \$2.75.

**PEARL MILLET.** (*Pennisetaria*). Sown in drills four feet apart and cultivated like corn the plants attain a height of eight to ten feet; with slender stalks and slender long-bladed leaves. The edges of the leaves are set with small sharp spines, and dairy cows do not eat it so readily as they do other forage plants, hence it should be cut while young and tender. Per lb. 25 cts., by mail, postpaid. By express or freight: 15 cts. per lb.; 10 lbs. or more at 12 cts. per lb.

## CLOVERS

**ALSIKE OR HYBRID CLOVER.** (*Trifolium hybridum*). The plant is perennial and very hardy, thriving equally well on wet or dry soils. The stems are more slender and much taller than those of the Red Medium Clover, and thus much better adapted for growing with Timothy to produce a high grade of mixed hay. Sow at rate of 10 to 20 lbs. to the acre. Per lb. 40 cts., postpaid. By express or freight; per lb. 30 cts.; 10 lbs. or more at 28 cts. per lb.

**RED MEDIUM.** This is the common Red Clover so largely grown. We shall be pleased to quote prices at any time.

**MAMMOTH OR PEA-VINE.** This grows much taller than Red Medium, with larger leafier stalks, and large slightly pointed leaflets. Prices quoted on application.

By mail, either Mammoth or Red Medium at 45 cts. per lb., or 3 lbs. for \$1.25. Write for price per bushel.

**WHITE DUTCH CLOVER.** (*Trifolium repens*). This thrives in almost every soil and climate, succeeding equally well on heavy moist land and thin dry hillsides. It is of low-creeping growth and most valuable both in pasture mixtures and for green velvety lawns. Per lb. 55 cts., postpaid. By express: 45 cts. per lb.

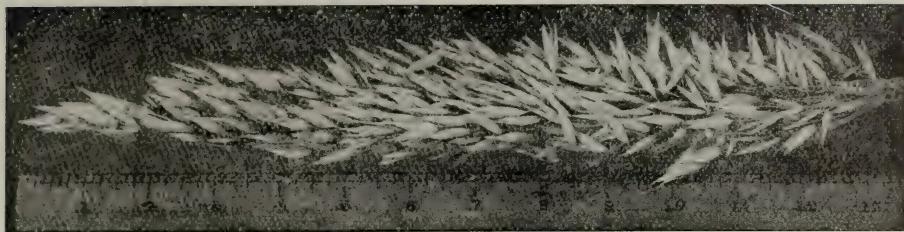
**SAINFOIN.** (*Onobrychis sativa*). This is a very valuable perennial plant for the Southern States; it is quite hardy after it becomes well established. It has strong deeply bunching roots, and will succeed in very dry soils, sand, and even in gravel. Sow 2 to 3 bushels per acre. Bushel weighs about 24 lbs. By mail, 25 cts. per lb. By express or freight, 15 cts. per lb.; 10 lbs. or more at 12 cts. per lb.

**BOKHARA.** (*Melilotus alba*). This slightly resembles Alfalfa in growth, but is much taller, with leafier and stiffer stems. It frequently grows five to six feet in height and branches freely, with slender spikes of small fragrant, white flowers, which afford an excellent food for bees. By mail, 40 cts. per lb. By express or freight, 30 cts. per lb.; 10 lbs. or more at 28 cts. per lb.

**CRIMSON OR ITALIAN CLOVER.** (*Trifolium incarnatum*). An annual variety providing large crops of green forage, or if cut while in bloom will make excellent hay. It should not be allowed to grow too old, or the seed-heads are liable to cause hair-balls to form in the animals' stomachs, to their great injury. It is for use as a green manure and cover crops that this plant is most highly esteemed. It improves poor lands and restores to fertility those worn by excessive culture. Seed should be sown early in August or September, so that the plants will become well established before winter. It is especially valuable for sowing amongst corn or other crops at time of the last cultivation. Sow at rate of 15 lbs. to the acre. Per lb. 30 cts., or 3 lbs. for 85 cts.; by mail, postpaid. Write for prices by the bushel.

The prices of Grass and Clover Seeds fluctuate from time to time, according to the market.

We shall be pleased to quote prices by mail.



### **75 BU. TO ACRE AND 40 LBS. PER MEASURED BU.**

What do you think of this quick growing, early maturing variety of large grained oats that yields 75 bushels per acre and 40 pounds per measured bushel? Heads 8 to 12 inches long. This is what we offer you in our

### **CANADA CLUSTER OATS**

They have been weighed in the balance and not found wanting. The kernels are large and plump and under favorable conditions very heavy. The straw is from 4 to 5 feet tall and many heads 8 to 11 inches. They stand up extra well and have plump meats.

This wonderful variety was imported by us several years ago and has proved itself to be the most favorable and best of all the sorts we have introduced in recent years, and in fact, we place the Canada Cluster Oats at the head of all oats for genuine money value to the farmer. Where these oats have been tested with various kinds of heavy oats such as the Improved Swedish

Wisconsin No. 4, Swedish Select and so-called "regenerated" oats, in every case the Canada Cluster Oats have demonstrated themselves to be a leader from every standpoint. The great root development is one of the many characteristics which enables the plant to resist drought better than any other variety. The straw is coarse and is noted for its stiffness and power to withstand lodging. Last year the crop of Canada Cluster was an extremely good one considering the season which was a very unfavorable one for oats.

To you who want high-grade seed oats we heartily recommend Canada Cluster. We have secured a fine crop of seed which was grown in this State by experienced growers.

**Price, \$2.00**

### **TWO-ROW BARLEY**

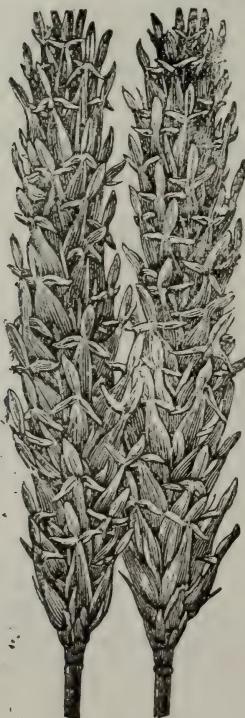
This Barley is greatly esteemed by our New York State farmers who are unanimous that it is the best adapted to our soils and seasons and very popular for brewing. It is always in good demand and at excellent prices. We offer Two-Row Barley for seed purposes which has been carefully re-cleaned and which will produce good clean barley and command a higher price in the market.

**Price, \$2.00 per bushel.**

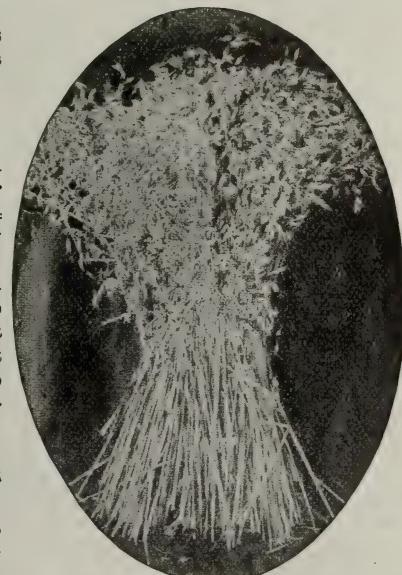
### **BEARDLESS BARLEY**

It is a fair yielder, strong growth of straw without the objectionable beards, which gives it a superior feeding value. These features make it the best and most profitable Barley known. It was introduced by us several years ago, and has proved to be very popular.

**Price \$2.00 per bushel.**



Beardless Barley



# New Early Cabbage= Copenhagen Market

This superb new Cabbage created quite a sensation the past season. It is undoubtedly without a rival as the **finest large round-headed early Cabbage** in cultivation. The type is thoroughly fixed, the heads maturing all at the same time—(this being a great consideration to Market Gardeners, entailing less labor in harvesting the crop and allows the ground to be cleared at the first cutting). The heads average about eight pounds each in weight, are very solid, with small core and of fine quality. It matures as early as **Charleston Wakefield**, and will give a much heavier yield per acre than that popular variety. The plant is short-stemmed, the heads being produced almost on the ground level. The leaves are light green, rather small, saucer-shaped, and always tightly folded. The plants, therefore, can be set closer than is usual with varieties of smaller size.

**COPENHAGEN MARKET.** This is an extremely early Cabbage. It is just the kind you have been looking for. It has such unusual merit that we really wish we could devote several pages to the record reports from progressive planters. In the year ending December 31, 1911, nearly 4,000 large planters reported extraordinary yields.

**COPENHAGEN MARKET** has come to stay. This Cabbage is a genuine Dane—in fact, its unequalled success in Denmark is the direct reason for its importation. It is being marketed almost exclusively in the city of Copenhagen.

Per pkg, 10c.;  $\frac{1}{4}$  oz., 20c.;  $\frac{1}{2}$  oz., 35c.; 1 oz. 65c.; 2 oz., \$1.00;  $\frac{1}{4}$  lb., \$1.75; per lb. \$6.00.

"**COPENHAGEN MARKET** was ready for market 65 days after setting out plants and produced a good head, but if left three weeks longer, as I did part of it, it produces a splendid, solid, heavy head weighing as much as 8 lbs., with exceptional flavoring, and showing no sign of cracking. It is sure to make an early market favorite with the trade. I certainly consider it an A-1 Cabbage for early crops. Please reserve 5 lbs. of the seed for my January order."—H. F. Vultet, Edgewater, Colo., October 7, 1911.

"**COPENHAGEN MARKET** was a week or ten days earlier than Jersey Wakefield or any other early variety we had. The heads were small but solid as rocks. The grocers sold to praised it highly and said it gave good satisfaction to their trade."—Walter Stevens, 320 N. Lincoln Ave., R. D. 10, Springfield, Ill., Oct. 10, 1911.



A TYPICAL HEAD FROM PHOTOGRAPH

"**COPENHAGEN MARKET** is just as early with me as **Charleston Wakefield**—larger and heavier and comes even—does not string along all summer. From size and heft when cut I should call it good enough for anybody."—Chas. Blacking, Eden, N. Y., Oct. 5, 1911.

"**COPENHAGEN MARKET** from May 1st seed, is headed. This Cabbage is a prize as well as a rarity."—H. D. Curtiss, Manlius, N. Y., July 27, 1911.

"I will plant **COPENHAGEN MARKET** next year instead of **Wakefield** as it is the best early Cabbage I ever saw."—Chas. H. Todt, R. D. No 2, Box 56, Holyoke, Mass.

"I would say that we like **COPENHAGEN MARKET** very much and think it is superior to the **Jersey Wakefield** in earliness."—John Yoder, North Lima, O., Oct. 2, 1911.



DETROIT DARK RED.

<b>Half Long Blood</b> , an excellent half long, second early; good also for winter use	75
<b>Long Blood</b> , long, smooth and very dark red; a late variety. Our strain of this variety cannot be excelled	75
<b>Golden Tankard Sugar</b>	45
Taber's Gate Post, new mangel	45
<b>Swiss Chard</b> , for greens, . . .	75

**ASPARAGUS.**

Per oz Per lb

<b>Barr's Mammoth</b> , very large, early . . .	\$ 10	75
<b>Palmetto</b> , large, tender, light green . . .	10	75
<b>Conover's Colossal</b> , very large, . . .	10	65
<b>Asparagus Roots</b> of the above varieties, per 100, . . . . .	10	1 00
Special prices for quantities.		

**BEET.** Ruben

**Crosby's Egyptian**, the best for early market; as early as the original strain of Egyptian, is thicker and less inclined to push up a woody neck as it advances in growth . . .

<b>Detroit Dark Red</b> , globe shape, skin dark red; very sweet . . . . .	15	1 50
<b>Bassano</b> , globe shape, German, early, tender variety; color, light red, . . . . .	15	1 00

**Bastian Early Blood Turnip** or **Lentz**, very early red variety; not quite so flat as Bassano, . . . . .

<b>Extra Early Egyptian</b> , flat, one of the earliest table beets; small tops, color very dark red; flat and smooth . . . . .	15	1 00
<b>Dewing's Blood Turnip</b> , improved variety of deep blood-red; fine form and flavor . . . . .	15	1 00

**Eclipse Blood Turnip**, very early, round, smooth and dark red; very small top, and is one of the best for market, . . . . .

<b>Edmand's Turnip</b> , one of the very best strains for market gardeners; small top, round, handsome and very dark red. Our stock is very fine, . . . . .	15	1 00
<b>Mammoth Long Red Mangold</b> . . . . .	15	1 25

**Mammoth Long Red Mangold** . . . . .

<b>Yellow Mangel or Intermediate</b> . . . . .	10	45
<b>Yellow Ovoid Giant</b> . . . . .	10	45

<b>Yellow Globe Mangold</b> . . . . .	10	45
<b>Vilmorin's Improved Imperial Sugar</b> . . . . .	10	45

<b>New Ideal Mangel Beet.</b> See page 5 . . . . .	10	45
	1 00	

**BEANS, (Bush) Garten Bohne.**

Per qt Per bu

<b>KEENEY'S RUSTLESS WAX</b> . . .	\$ 40	\$ 7 00
<b>HODSON WAX</b> . . .	35	7 00
<b>GOLDEN WAX, Improved</b> . . .	35	7 00
<b>BLACK WAX, yellow pods</b> . . .	35	7 00
<b>DAVIS' KIDNEY WAX</b> . . .	35	7 00
<b>WARDWELL'S KIDNEY WAX</b> . . .	35	7 00
<b>GOLDEN EYED WAX</b> . . .	35	7 00
<b>VALENTINE WAX</b> . . .	35	7 00
<b>EARLY LONG YELLOW</b> , six weeks, green pod, . . .	30	5 00
<b>DWARF HORTICULTURAL</b> . . .	30	6 00
<b>IMPROVED VALENTINE</b> . . .	30	5 00
<b>MOHAWK</b> , one of the earliest . . .	30	5 00
<b>BOSTON YELLOW EYE</b> . . .	30	5 00
<b>REFUGEE PICKLING BEAN</b> . . .	20	6 00
<b>WHITE KIDNEY</b> . . .	20	4 00
<b>WHITE MARROW</b> . . .	20	4 00
<b>WHITE IMPERIAL</b> . . .	20	4 00

**BEANS, (Pole or runners).**

Per qt Per bu

<b>DREER'S CLUSTER GOLDEN WAX</b> . . . . .	\$ 30	\$ 8 00
<b>BLACK WAX</b> . . . . .	30	8 00
<b>LAZY WIFE</b> , pole, . . . . .	30	8 00
<b>HENDERSON BUSH LIMA</b> , large, . . . . .	30	8 00
<b>BURPEE'S IMPROVED BUSH LIMA</b> . . . . .	50	12 00
<b>BURPEE'S BUSH LIMA</b> . . . . .	30	8 00
<b>EARLY JERSEY LIMA</b> , new . . . . .	30	7 00
<b>KING OF THE GARDEN LIMA</b> . . . . .	30	7 00
<b>CRANBERRY, SPECKLED or WREN'S EGG</b> . . . . .	30	6 00
<b>DUTCH CASE KNIFE</b> , white flat, . . . . .	30	6 00
<b>SCARLET RUNNER</b> . . . . .	40	6 00
<b>WHITE DUTCH RUNNER</b> . . . . .	40	6 00
<b>ONONDAGA POLE</b> . . . . .	30	6 00
<b>BROAD WINDSOR</b> . . . . .	50	

**BROCCOLI.**

Per o Per lb

<b>EARLY</b> , large (French) . . .	\$ 1 00	\$
<b>SOUTH HAMPTON</b> . . .	1 00	

**BRUSSELS SPROUTS.**

DWARF, Fine French, . . . .	20	1 75
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**BORECOLE or KALE.**

Per oz Per lb

<b>GREEN CURLED or KALE</b> . . . .	15	\$ 1 00
<b>PURPLE or BROWN KALE</b> . . . .	15	1 00

Bei uns wird Deutsch gesprochen.



EARLY JERSEY WAKEFIELD.



DANISH BALL HEAD CABBAGE

**GENUINE DENMARK  
GROWN CAULIFLOWER  
SEED.**

Imported annually from our Denmark growers for many years.

The best Gardeners in this section have used our strains for years. A sure header, a fine yielder and a money maker.

**CAULIFLOWER-BlumenKohl**

Per oz.

Ebeling's Danish Giant, extra small leaf, fine large head, late, . . . . . \$3 00

Ebeling's Dwarf Snowball, fine quality, true, early, . . . 3 00

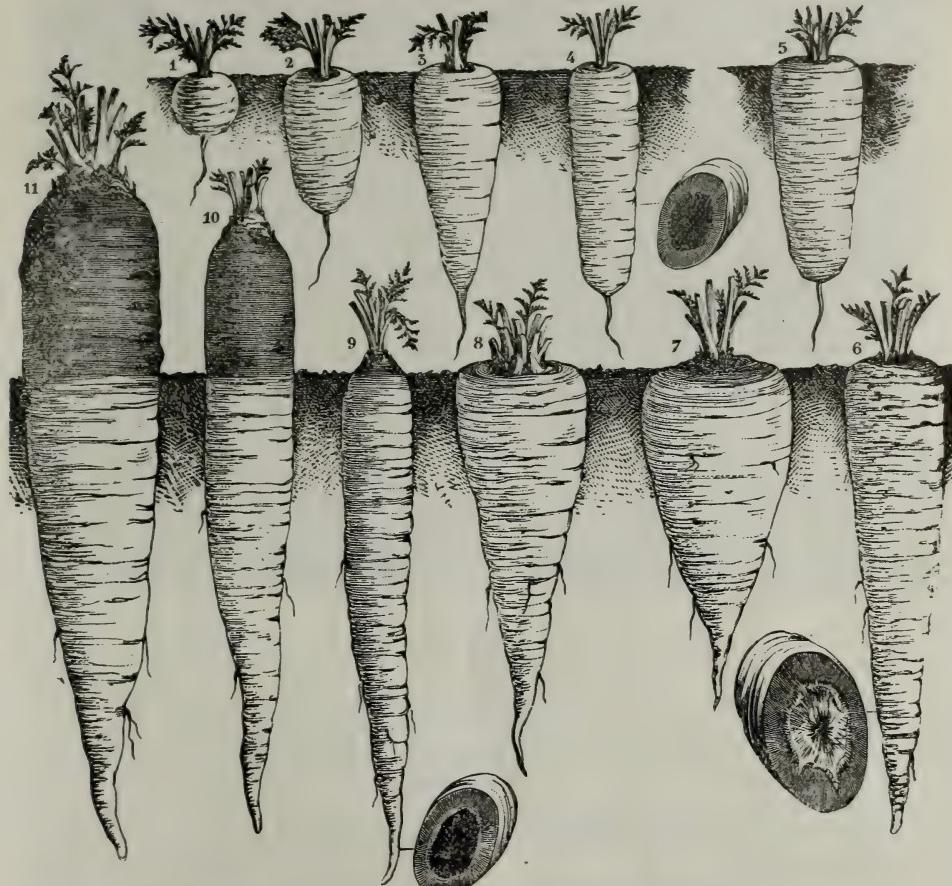


TRUE SNOWBALL CAULIFLOWER

**NON-WARRANTY**—F. H. Ebeling gives no Warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants he sends out, and he will not be in any way responsible for the crop. If the purchaser does not accept the goods on those terms, they are at once to be returned.

Hier wird Deutsch gesprochen.

CABBAGE Kopf-Kohl.	Per oz	Per lb.
COPENHAGEN MARKET. See page 12 for full description.	\$ 50	\$5 00
EARLY SPRING CABBAGE. The earliest and best of all the first early sorts. It's hardness fits it not only to resist the cold, but any and all unfavorable conditions.	40	4 00
DANISH BALL HEAD CABBAGE		
Imported direct from Denmark, and is the genuine true to name variety. Have imported annually for many years, and it has given the best of satisfaction. Our seed for this season is especially fine .	40	4 00
Volga Cabbage, new . . . . .	30	4 00
Henderson's Early Summer . . . . .	30	3 00
Winningsstadt, early pointed . . . . .	30	3 00
Early Ox Heart, or Etampes . . . . .	30	3 00
Early Jersey Wakefield pointed . . . . .	30	3 00
Succession, L. I. grown . . . . .	30	3 00
Sure Head Cabbage . . . . .	30	3 00
Fotler's Brunswick . . . . .	30	2 50
Hollander . . . . .	30	4 00
All Seasons . . . . .	30	2 50
Premium Flat Dutch . . . . .	30	2 50
Large Late Drumhead . . . . .	30	3 00
Marblehead Mammoth . . . . .	30	3 00
Warren or Stonemason . . . . .	30	3 00
Danish Stone Head, red . . . . .	40	5 00
Red Dutch, "Erfurt," early . . . . .	30	4 00
Mammoth Red Rock, late, . . . . .	30	4 00
Large Dark Red Drumh'd . . . . .	30	4 00
Globe Savoy . . . . .	30	3 00
Victoria Savoy . . . . .	30	3 00



THIS CUT SHOWS TRUE SHAPE OF CARROTS.

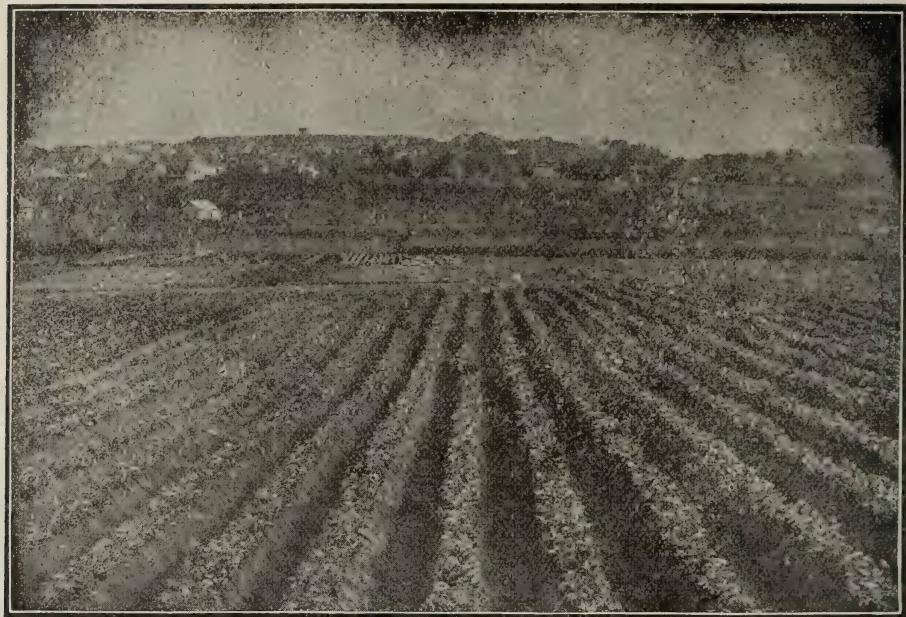
**CARROTS, Gelbe Ruben.**

	Per oz	Per lb
1. Early French Forcing, nearly round, small, very early, . . . . .	\$ 20	\$2 00
2. Early Horn, scarlet, very early, . . . . .	20	2 00
3. Danver, medium size, orange yellow, . . . . .	20	2 50
4. Chantenay, finest quality for table, dark orange . . . . .	20	2 50
5. Rubicon Half Long, rich, dark orange, (Improved Danver) . . . . .	20	2 00
6. Saint Vallery or Point Rooted Danver . . . . .	20	2 00
7. Large White Vosges, for cattle, large yielder, . . . . .	20	1 50
8. Half Long Pointed, St. James' new, red . . . . .	20	1 75
9. Altringham, red for butter, . . . . .	20	1 50
10. Long, orange green top, yellow, very productive, . . . . .	20	2 00
11. Large White Belgian, very productive, . . . . .	20	1 50
Meaux Large, dark orange stump rooted, smooth, fine for table, . . . . .	20	2 00
Oxheart (or Guerande), thick stump rooted, . . . . .	20	2 00

Names of a few gardeners who have dealt with this house continuously from 27 to 42 years:

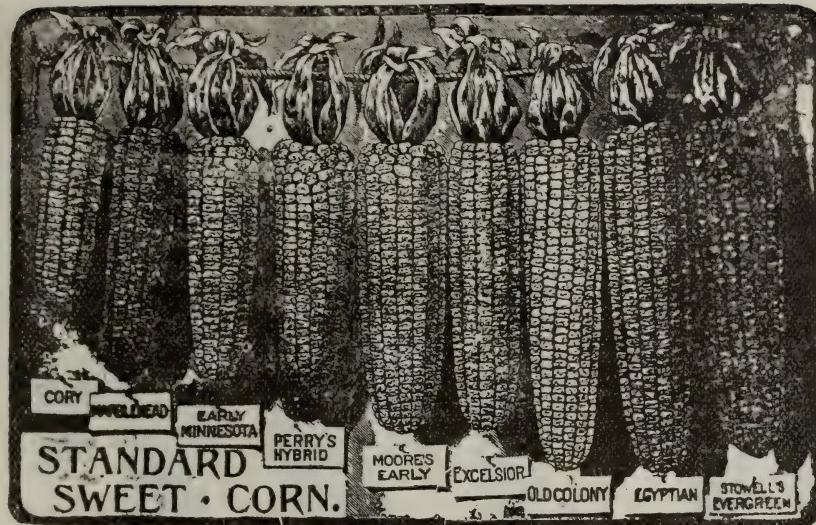
Wm. Clark, Solvay, . . . . .	41 years.	William Lambert, Salina, . . . . .	30 years.
Charles B. Day, Waterloo, . . . . .	28 "	Henry O'Neil, . . . . .	28 "
J. N. Rose, Syracuse, . . . . .	43 "	John Butler, Onondaga Valley, . . . . .	40 "
S. B. Babcock, Fulton, . . . . .	35 "	A. H. Ballard, East Onondaga, . . . . .	30 "
Albert Wright, Syracuse, . . . . .	43 "	George Craddock, Onondaga, . . . . .	42 "
		Henry Wright, Syracuse, . . . . .	48 "

Also hundreds of others who have dealt with us 6 to 27 years



A FIELD OF OUR WHITE PLUME AND PARIS GOLDEN CELERY.

<b>CELERY, Selerie.</b>	Per oz	Per lb
<b>PARIS GOLDEN SELF BLANCHING.</b> Our strain of this variety is unexcelled and absolutely reliable; this sort is without doubt the finest early Celery in cultivation. It is perfectly solid, of a fine, nutty flavor, attains a good size, and when blanched is of a handsome golden yellow, . . . . .	\$1 00	\$14 00
<b>CRAWFORD'S HALF DWARF.</b> Very solid, creamy white when blanched; fine flavored, . . . . .	25	2 00
<b>DWARF GOLDEN HEART.</b> Resembles the Half Dwarf White in habit of growth; very solid and the heart is of a golden yellow when blanched; excellent keeper, . . . . .	25	2 00
<b>EVANS' TRIUMPH.</b> Fine green variety, large and solid, . . . . .	30	2 00
<b>GIANT PASCAL.</b> The largest variety grown, is also the best keeper; of fine, nutty flavor, very easily blanched; deservedly popular for fall and winter use	25	2 00
<b>GIANT WHITE SOLID.</b> Attains large size, is a quick grower, solid, crisp and a good keeper. Very popular with the English gardener . . . . .	40	2 50
<b>WHITE PLUME.</b> A well known and perhaps the most popular variety of Celery; very early, ornamental, and for quality surpassed by none, . . . . .	25	2 50
<b>BOSTON MARKET.</b> Popular in the markets of Boston; a strong grower, remarkably tender and crisp, . . . . .	25	2 00
<b>KALAMAZOO WHITE SOLID DWARF.</b> Grown extensively by Celery growers at Kalamazoo, Michigan; a dwarf white variety, easily blanched; a good keeper and popular as a shipper, . . . . .	30	2 00
<b>NEW ROSE.</b> The best of all the red or pink varieties, combining hardiness, solidity and keeping qualities; for crispness, and fine, nutty flavor, it has no superior, . . . . .	30	3 00
<b>PERFECTION HEARTWELL.</b> A large, solid, fine flavored, sort of creamy white color; a fine winter sort, . . . . .	25	2 00
<b>SUTTON'S SUPERB PINK.</b> Very crisp, sweet and tender. Favorite with the English gardener. The finest of all Celery for family use, . . . . .	40	3 50
<b>PINK PLUME.</b> Practically identical with Improved White Plume, but with the added merit of the stalks being richly suffused with pink, . . . . .	30	3 00
<b>SOUP CELERY.</b> Seeds for flavoring soups, pickles, etc., . . . . .	15	1 00
<b>CELERIAC.</b> Large smooth or turnip rooted Celery, . . . . .	15	2 00
<b>CHICORY, Chichorie.</b>		
Improved Large Leaves for Greens, . . . . .	15	75
Large Rooted for Coffee, . . . . .	15	75



## SWEET CORN.

Price on corn subject to change without notice.

Per qt Per bu.

GOLDEN BANTAM—Three feet high, small ear, golden creamy yellow kernels, of superb quality . . . . .	\$ 80	\$ 5 00
PREMO—The earliest and best sweet corn in existence, early as the "Early Adams," . . . . .	30	5 00
EARLY MONARCH—Very white, 12 14-row, large, really as early as Perry's Hybrid, frequently 2 ears on a stalk, very sweet, most desirable, second early in the market. . . . .	30	5 00
PEEP o' DAY—Extremely early, pure white, small cob, very sweet, . . . . .	30	4 00
CORY RED—Earliest 8 row, red cob 6 inches long, . . . . .	25	4 00
CORY WHITE—Similar to Cory Red, . . . . .	25	4 00
MARBELHEAD—Extra early, Red Cob, very fine, . . . . .	25	4 00
PERRY'S HYBRID—Early 12-rowed, large ears, stalks of strong growth, 2 ears to the stalk, very sweet . . . . .	25	4 00
EARLY MINNESOTA—8 rowed, large sweet kernels fine standard sort, . . . . .	25	4 00
CROSBY EARLY—12-row, second early, 10 to 12 row, medium size, . . . . .	25	4 50
BALLARD'S RED COB—Similar to Perry's Hybrid, . . . . .	25	4 00
SHAKER'S—Early, large ears, fine quality, . . . . .	20	4 00
EARLY EVERGREEN—12 rows, 10 days earlier than Stowell's, . . . . .	20	5 00
MOORE'S EARLY CONCORD—Large, handsome 14-rowed, fine quality, . . . . .	20	4 00
ASYLUM—Large, fine late, very sweet . . . . .	20	4 00
EGYPTIAN—Large, very late, tall growing, very sweet tender, fine for canning, . . . . .	20	4 00
STOWELL'S EVERGREEN—Extra fine quality, stalks of strong growth, 2 ears to the stalk, very sweet, large kernels and slender cob, . . . . .	20	4 00
COUNTRY GENTLEMAN—A cross of the Stowell's Evergreen and Ne Plus Ultra, slender and deep kernels, very productive and sweet, . . . . .	30	5 00
HICOX'S IMPROVED SUGAR—Very fine late, large ears, popular canning variety, . . . . .	20	4 00
BLACK MEXICAN—Medium early, 8-row, very sweet, . . . . .	20	4 00
ANGEL-OF-MIDNIGHT—A very popular field sort . . . . .		2 00
EIGHT-ROWED YELLOW—A very desirable field variety . . . . .		2 00
SMUT NOSE or KING PHILIP—A fine, large yielding sort . . . . .		2 00
EIGHT ROWED WHITE—Large eared, field variety, large yielding sort . . . . .		2 00
HURON DENT—Dent variety, ripens like State corn . . . . .		2 00
PRIDE OF THE NORTH—Ensilage variety . . . . .		2 00
LEAMING—Fodder corn—Ensilage variety . . . . .		2 00
"SOU"—Fodder corn, very leafy, quick growing and fine for green fodder . . . . .		1 50
EUREKA ENSILAGE . . . . .		2 50
IOWA GOLD MINE . . . . .		2 00
EVERGREEN—Sweet corn for fodder . . . . .		3 00
IOWA GOLD MINE—Ensilage variety . . . . .		2 00
LUCY'S FAVORITE YELLOW DENT—See pp. 6 . . . . .		2 50
STACY'S WHITE FLINT— . . . . .		3 00
Per oz. Per lb.		
<b>CORN SALAD</b> , Ackersalat. Large round leaved or small seeded, . . . . .	\$ 15	\$ .75
<b>CHERVIL</b> , Gartenkerbel. Curled. Treat like parsley. A valuable flavoring herb . . . . .	20	2 00
<b>CRESS OR PEPPERGRASS</b> , Kresse. Fine for salads. . . . .		
CRESS—Garden curled, . . . . .	10	.75
WATER CRESS—DWARF—Fine curled, grows in shallow water . . . . .	25	2 50



THE ABOVE SHOWS THE TRUE TYPE OF CUCUMBERS.

No. 1, Early Cluster; 2, Long Green; 3, Early Frame; 4, Early Russian; 5, White spine.

**CUCUMBER, Gurke.**

Per oz Per lb

Arlington. A selection from the White Spine, but more pointed at each end. Very dark green color . . . . .	Pkt. 5c;	10	1 00
Cumberland, handsome green— straight, firm, solid, crisp . . .	10	1 00	
Japanese Climbing. Very hand- some, long, dark green . . . .	10	1 50	
Lemon Cucumber. A very fine ac- quisition to the cucumber family . . . . .	Pkt 10c	25	
Hill's Forcing Early White Spine,	10	1 00	
Fordhook White Spine, . . . . .	10	1 00	
Green Prolific, extra early, . . .	10	1 00	
Early Russian, . . . . .	10	1 00	
Early Frame, . . . . .	10	1 00	
Early Cluster, . . . . .	10	1 00	
White Spine, Improved ext. stock,	10	1 00	
Long Green, . . . . .	10	1 00	
Giant Pera, . . . . .	per pkt.,	20	
Telegraph, per doz., seed, . . .	"	20	
West India Gherkin, . . . . .	"	20	



ENDIVE.



KOHL-RABI.

**EGG PLANT, Eierpflanze.**

Per oz Per lb

New York Improved, . . . . .	\$ .40	\$4 00
Black Pekin, or Black Beauty . . .	40	4 00

**ENDIVE, Endivien. "Escarolle" or "Chicoree."**

1 00

Yellow Early (not curled), . . . . .	20	1 50
Green Curled Winter, . . . . .	20	1 25
Fine Curled Summer, . . . . .	20	1 50
Broad Leaf . . . . .	20	1 50

**GARLIC, Knoblauch. . . . . Sets 10 40****HERBS, See page 23.****KALE, or Borecole. See Borecole.**

Green Curled, . . . . .	15	85
Siberian Curled, German Greens, . . .	15	75

**KOHL-RABI.**

White, above ground, . . . . .	25	2 00
Purple, above ground, . . . . .	25	2 50

**LEEK. Lauch. London, broad flag, . . . . . 20 1 25**



GRAND RAPIDS LETTUCE.

## LETTUCE Salat.

Per oz Per lb

<b>Grand Rapids</b> , new forcing			
very fine for greenhouse . . . . .	\$	15	\$1 50
<b>Denver Market</b> , early head . . . . .		15	1 50
<b>Onondaga</b> , for Green House . . . . .		15	1 50
<b>Brown Dutch</b> . . . . .		15	1 50
<b>Big Boston</b> . . . . .		15	1 50
<b>Satisfaction</b> . . . . .		15	1 50
<b>Early Curled Simpson</b> . . . . .		15	1 50
<b>Early Curled Silesian</b> . . . . .		15	1 50
<b>Golden Stone</b> . . . . .		15	1 50
<b>Iceberg</b> . . . . .		15	1 50
<b>Hanson Head</b> . . . . .		15	1 50
<b>New York Head</b> . . . . .		15	1 50
<b>Indian or Prize Head</b> . . . . .		15	1 50
<b>Tennis Ball</b> . . . . .		15	1 50
<b>White Cos</b> . . . . .		15	1 50

**Yellow Seeded Butter**—Cabbage Butter head, medium large, medium green, leaves crumpled and rather thick. Is similar or same as silver ball.

**Giant White Cos**—Large size, medium light green, is quite tall, forms a good head.

**Deacon Head**—Cabbage butter head, medium size, medium green, leaves thick. Does not form a decided head but a well folded one, which is very oily and golden yellow inside.

**Denver Market**—Cabbage, butter head, medium small size, medium green. One of the old standard varieties, and in our experience have found it identical with White Seed Tennisball.

**Big Boston**—A fine large-heading forcing sort, and succeeds well in cold frames during the winter. The plants are very hardy and vigorous. When well grown, the heads are beautifully blanched and quite tender.

**New York Head**—Curled or Crisp as Iceberg, dark green heads somewhat conical.

## MUSKMELON. Melone.

Per oz Per lb

<b>Hoodoo</b> —New orange fleshed.		\$ 10	\$ 1 75
<b>Onondaga Musk Melon</b> —A new early, large, fine oblong, netted, green fleshed melon. A great yielder, very hardy, firm fleshed, attractive in appearance			\$1 50
<b>Paul Rose or Petosky</b> —Fine salmon fleshed		10	1 40
<b>Rocky Ford</b> —New, green flesh,		10	1 00
<b>Miller's Cream or Osage</b> —Very fine, deep Salmon flesh		10	1 50
<b>Green Citron</b> —Color dark green		10	1 00
<b>Surprise</b> —Round, yellow flesh, medium size		10	1 50
<b>Tip Top</b> —A very fine, yellow fleshed, market melon		10	1 50
<b>Emerald Gem</b> —Green flesh		10	1 50
<b>Osage</b> —Salmon fleshed		10	1 50
<b>Large Nutmeg or Improved Cantelope</b> —Green flesh		10	1 25
<b>Montreal Market Musk</b> —Green flesh,		10	1 25
<b>Hackensack</b> —Very fine, green, large, attractive		10	1 25

## MUSHROOM SPAWN.

Mushrooms may be grown wherever the temperature of 60 degrees can be kept up throughout the winter. The beds should be made from November to February, according to the time the Mushrooms are wanted. It takes about two months to begin bearing.

**Best English Spawn**  
**Price, 25 cents per pound.**

For full particulars how to grow them, see our book on Mushroom growing listed on front page inside of cover. Price \$1.25

Bei uns wird Deutsch gesprochen.



MUSHROOM BED



A field of our Yellow Globe Danver Improved Onion.

**WATERMELON. Wassermelone**

Per oz Per lb

<b>Sweet Heart</b> , early, large, handsome,	10	\$ .75
<b>Phinney's</b> , Early, red flesh,	10	.75
<b>Cole's Extra</b> , early,	10	.75
<b>Mountain Sweet</b> , old favorite,	10	.75
<b>Black Spanish</b> , round, dark green with red flesh,	10	.75
<b>Iceings or Ice Cream</b> ,	10	.75
<b>Green Citron</b> , for preserves	10	.75
<b>MARTYNIA</b> , for pickles,	40	8 25

**NASTURTIUM.**

<b>Tall</b> (See Flower Seed),	10	.75
<b>Dwarf</b> ,	10	.75
<b>OKRA or GUMBO.</b>		
<b>Dwarf</b> , white,	10	.75
<b>MUSHROOM SPAWN.</b>		
<b>English</b> ,		25
<b>MUSTARD</b> , Senf.		
<b>White</b> ,	05	25
<b>Brown</b> ,	05	35

**ONION. Zwiebel**

Per oz Per lb

<b>Southport Yellow Globe</b>	\$ 20	\$ 2 00
<b>Michigan Yellow Globe</b>	20	1 75
<b>Ohio Yellow Globe</b>	20	2 00
<b>Yellow Globe Danvers</b> ,		
Improved	20	2 00
<b>Flat Danver Yellow</b>	20	1 75
<b>Prize Taker</b>	20	1 75
<b>Extra Early Red</b> , early, flat,	20	1 75
<b>Southport</b> , Red Globe,	20	1 75
<b>Large Red Wetherfield</b>	20	1 75
<b>California Early Red</b>	20	1 75
<b>Bolton Seed</b> , produces the		
Bolton Sets,	25	3 50
<b>White Silverskin or Portugal</b> , for bunching,	25	2 50
<b>Southport White Globe</b>	25	2 50
<b>Mammoth Silver King</b>	25	2 75
<b>Barletta or White Queen</b>		
Small white. Fine for pickles	26	2 00
<b>TOP ONION SETS.</b> Market Price		
<b>Bolton. Yellow. White. Potato.</b>		

**PARSLEY. Peterselia**

Per oz Per lb

<b>Champion Moss Curled</b>	\$ 10	\$ .75
<b>Fern Leaved</b>	10	.75
<b>Extra Double Leaved</b>	10	.75

**PARSNIPS. Pastinake**

<b>Long White</b>	10	.50
<b>Hollow Crown</b> thick shoulder	10	.50

**PEPPER. Pfeffer**

<b>Chinese Giant</b>	50	5 00
<b>Rose Mammoth</b> , extra Bull Nose	25	2 50
<b>Bell or Bull Nose</b> , extra large	25	2 50
<b>Ruby King</b> , extra long	25	2 50
<b>Long Red Cayenne</b>	25	2 50
<b>Monstrous Red</b> , for stuffed pickles,	25	2 50
<b>Celestial</b> , new,	25	2 50
<b>Red Cluster or Red Cherry</b>	25	2 50
<b>Chili</b> , small, for pepper sauce	25	2 50
<b>Birds Eye or Creole</b> , extremely hot, small red,	25	2 50

BELL OR BULL NOSE



Never in the history of the seed trade has there been such a scarcity of Seed Peas known. We offer, subject to stock being unsold, and at prices to be agreed upon when order is accepted.

**PEAS.** Erbsen**EXTRA EARLY SORTS.**

Per oz Per bu

These prices subject to change without notice.

\***Thomas Laxton**, One of the very best early peas. More prolific than Gradus and pods nearly as large. Extra fine quality. Height 30 to 31 in. Should be in every garden. Season 53 to 58 days . . . . .

60

\***Gradus or Prosperity**, pods as large as Telephone. Early as Alaska. Extra fine quality. Height about 30 in. Grow it. Season 50 to 55 days . . . . .

60

**Alaska**, very early, excellent quality. Height 30 in. Season 48 to 50 days . . . . .

40

**Extra Early**, better quality than Alaska and fully as early. Height 24 to 30 in. Season 48 to 50 days . . . . .

40

\***Gregory's Surprise**, a very early, sweet, wrinkled variety. Fine quality. Height 24 in. Season 48 to 50 days . . . . .

50

**DWARF VARIETIES.**

\***American Wonder**, sweet, wrinkled. Very early. About seven weeks from planting to picking. Height 10 to 12 in. Season 50 to 53 days . . . . .

50

\***Little Gem**, a dwarf, green, wrinkled pea. Very prolific and of excellent flavor. A few days later than above. Height 16 to 18 in. Season 55 to 60 days . . . . .

50

\***Noit's Excelsior**, resembles American Wonder. A trifle taller and more prolific. A few days later. Fine quality. Season 55 to 60 days . . . . .

50

\***Premium Gems**, a week later and a few inches taller than American Wonder. Fine quality. Season 58 to 60 days . . . . .

50

**SECOND EARLY.**

\***Advancer**, about the same as Premium Gems. A good, sweet, wrinkled pea. Height 25 to 30 in. Season 58 to 60 days . . . . .

50

\***Horsford's Market Garden**, season about the same as Advancer, but more hardy and prolific. Good quality. Season 60 to 65 days . . . . .

50

\***Admiral**, very prolific. Quality good. Size small. Picking season short. Height 4 feet. Season 60 to 63 days . . . . .

50

\***Ebeling's Telephone**, follows Advancer. Pods very large, well filled with extra fine sweet peas. Height 4 feet. Season 68 to 70 days . . . . .

50

\***Duke of Albany**, similar to Telephone, but pods and peas darker green, holding fresh appearance longer. Season 72 to 75 days . . . . .

50

**Long Island Mammoth** (sometimes called the Telegraph) This celebrated Pea very closely resembles the popular Telephone. Pods large in every way, long and broad, and contain six to nine seeds, height 4 feet. Pods a shade darker colored than Telephone and a very prolific yielder. Last year this variety produced a better crop than any other sort. Are especially popular with the English growers for marketing . . . . .

50

\***Dwarf Champion**, productive, good quality. Height 25 to 30 in. Season 78 to 75 days . . . . .

50

**LATE VARIETIES.**

\***Abundance**, productive, good quality. Height 2 1-2 to 3 feet. Season 77 to 80 days . . . . .

50

**Everbearing**, good quality. Height 2 1-2 to 3 feet. Season 78 to 81 days . . . . .

50

\***Champion of England**, an old favorite. Good quality. Height 4 feet. Season 78 to 80 days . . . . .

50

\***Yorkshire Hero**, good quality, large peas. Height 2 ft. Season 78 to 80 days . . . . .

50

\***Improved Stratagem**, pods large, peas extra fine quality. A fair cropper, yielding well under favorable conditions. Height 2 feet. Season 80 to 82 days . . . . .

50

\***Mammoth Podded Sugar**, large, edible pods, to be broken and cooked like string beans. Height of vine 5 to 6 feet . . . . .

50

**White Marrowfats**, fair quality. Height 4 to 5 ft. Season 80 to 85 days . . . . .

25

**Black Eyed Marrowfats**, season 75 to 80 days . . . . .

25

\*Wrinkled varieties.

**POTATOES.**

Per bu.

**Irish Cobbler**, a most popular white early potato, a splendid yielder, and leads the list of early white sorts . . . . .

2 50

**True Early Rose**. The Early Rose is the old standard early potato, rosy blush skin, white flesh; early, productive, and of excellent flavor; a fine keeper. . . . .

2 25

**Beauty of Hebron**. Very rapid and vigorous grow'r ripening as early as Early Rose, which it resembles but frequently exceeds in productiveness and excellence for table use, either baked or boiled. . . . .

2 25

**Early Ohio**. Leading early sort, earlier than Early Rose, but not so productive; round short, thick tubers, smooth and solid; cooks dry and mealy and matures early. . . . .

2 50

**Rural New Yorker No. 2**. The tubers are of large size, with remarkable smoothness of skin; the eyes are few, distinct and shallow. It is of extreme whiteness, both of skin and flesh, and excellent table qualities. It has great vigor in growth and solidity of tuber, which enables it to resist disease. . . . .

2 00

**Star of the East** (Clouded). Oblong in shape, large size, and a fine table potato. Vines are very vigorous and blight-resisting, and it is a very large yielder . . . . .

2 00

**PUMPKIN SEEDS.**

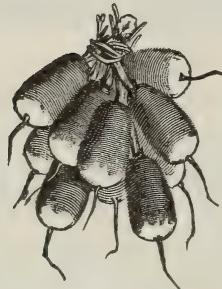
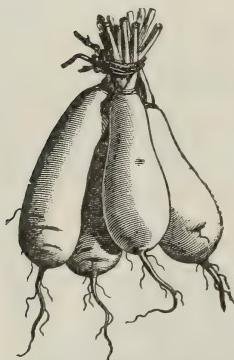
Connecticut Field, per lb., 20 Cashaw Pumpkin, fine table . . . per lb., .50  
Cheese Pumpkin . . . . . per lb., .60 Mammoth Prize Pie . . . . . per pkt., .10



DEEP SCARLET TURNIP

RADISH.

SMALL TOP. NEW.

FRENCH BREAKFAST  
RADISH.CHINESE ROSE WINTER  
RADISH.**RADISH.** Radischen. Best imported. French stock.

	Per oz	Per lb
Johnson's Perfection Red White Tipped Radish . . .	\$ 15	\$ 1 00
White Strasburg, fine, solid, large, summer, . . .	10	.75
Icicle. Handsome, long, pure white, fine. Some- what shorter and mature a little earlier than Long White Vienna. A fine white summer sort . .	10	.75
Early Scarlet Globe, . . . . .	10	.75
Ne Plus Ultra Deep Scarlet Turnip, forcing . . .	10	.75
Early Scarlet Turnip, white Tipped (rosy gem) . .	10	.75
Early Deep Scarlet Turnip, forcing, . . . . .	10	.75
Early White Box or Turnip, . . . . .	10	.75
Early Deep Scarlet, olive shape, small top, . . .	10	.75
White Olive Shaped or Newcomb, . . . . .	10	.75
French Breakfast, white tipped, . . . . .	10	.75
Early Long Scarlet, short top, . . . . .	10	.75
Long White Vienna or Lady Finger, excellent, . .	10	.75
Chartier Long, white tipped, . . . . .	10	.75
Scarlet Chinese Rose Winter, fall variety, . . . .	10	.75
Round Black Spanish Winter, German favorite, . .	10	.75
White Russian, very large, winter, . . . . .	10	.75
California Mammoth White, winter, . . . . .	10	.75
Long Black Spanish, winter, black skin, white flesh,	10	.75
Giant Stuttgart. Fine, large, white winter . . . .	10	.75
White Giant Spanish, winter, . . . . .	10	.75

Special prices in quantities.

**SAGE,** . . . . . 20 2 00**SALSIFY,** or Vegetable Oyster, Bocksbart.

Large White, . . . . .	10	1 00
Mammoth Sandwich Island, new, . . . . .	10	1 00

**SORREL,** Large Leaved French, . . . . . 10 1 00**SPINACH.** Spinat. 25 lb. lots special prices.

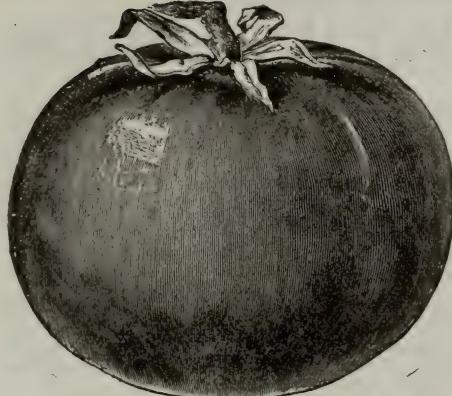
Early Giant Thick Leaved. An early maturing sort, with large leaves of fine, deep green color, . . .	5	40
Round Summer Broad Leaved. Preferred in the north for early spring sowing, and is the most popular with our market gardeners. The leaves are large, thick and fleshy. Though not quite as hardy as the Prickly Winter, stands exposure well.	5	40
Round-Viroflay. (Thick leaved.) Has very large, thick, dark green leaves; the favorite market gar- dener's sort for fall or spring sowing. . . . .	5	40
Norfolk Savoy, or Bloomsdale. Large, curled and wrinkled leaves; tender, of finest flavor, . . . .	5	40
Long-Standing. (Round, Thick-leaved.) Dark green; leaves large and thick; very long-standing before running to seed; the best for spring growing. . .	5	40
Victoria. The foliage is heavy, the broad, dark green leaves being of the true Savoy appearance and of the finest quality; remains in prime condi- tion from two to three weeks after all other varia- ties have run to seed; a fine variety for spring sowing. . . . .	5	35
Prickly or Winter. Vigorous and hardy, and rec- ommended for fall sowing, . . . . .	5	35

**SQUASH.** Kurbis.

	Per oz	Per lb	Per oz	Per lb
The Delicious, new, . . . . .	10	\$ .85	Hubbard, winter, fine stock, . . .	\$ 10 \$ .75
Golden Hubbard, . . . . .	10	85	Boston Marrow, old variety, fall, . .	10 .75
Golden Bush Scallop, . . . . .	10	75	Butman, nearly like Hubbard, . .	10 .75
Early Scallop, white, . . . . .	10	75	Marblehead, like Butman, . . .	10 .85
Giant Summer, Crook-neck, . . . . .	10	75	Vegetable Marrow, . . . . .	10 .85
The Faxon, very early, . . . . .	10	75	Fordhook, . . . . .	10 1 00

**TOBACCO SEED.** Tobacco Samen.

Wilson's Hybrid, . . . . .	per oz. 50.	Haynes, . . . . .	per oz. 50
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CHALAS EARLY JEWEL.

**LANDRETH'S RED ROCK.**—This wonderful Tomato will ripen in 110 days from seed sown in the open field to RIPE FRUIT, according to soil, location and weather conditions, or if fruited from plants raised in beds then sixty or seventy days from transplanting. Earlier and larger than "Stone."

A fine, very red Canner's variety, extraordinarily meaty and solid, smooth as an apple, free from cracks, red as is possible to be, and free from an excess of water. It ripens clear up to the stem without crack, depression or core. An amazingly heavy producer, thirty tons frequently having been grown to the acre. Heavy and continuous in bearing from the first of July until killed by frost. Nearer sun-proof and rust-proof than any other sort

It is recommended specially to planters for canning factory purposes.

\*Another new variety from Livingston. This is what he says of it: "The same sort of tomato as Dwarf Champion, but the vine is of stronger growth and the fruit is double the size.

#### TURNIP. Steckrube

##### LONG ISLAND IMPROVED RUTA BAGA TURNIP.

This very desirable variety is nearly globe shaped with absolutely no neck. The flesh is firm and very tender; color on outside white with purple top, while the inside is pale yellow. Has the same flavor and richness of ordinary Ruta Baga without the strong flavor. In fact it bears the same relation to the Turnip as the Cauliflower to the Cabbage.

Cow Horn, or Long White. Pure white, except a little shade of green at the top carrot-like in form, growing nearly half out of the ground and slightly crooked. Delicate and well flavored, of very rapid growth and has obtained considerable favor for fall and early winter use.

Extra Early White Milan, . . . . .  
Purple Top, strap leaf, flat white, . . . . .  
Mammoth Purple Top White Globe, . . . . .  
Golden Ball or Orange Jelly, . . . . .  
White Norfolk, large, fine summer, globe shape  
Early White Stone, very fine, . . . . .  
White Dutch, flat, . . . . .  
Yellow Aberdeen, . . . . .  
White Sweet Waldo or German, . . . . .  
Skirving's Yellow Ruta Baga, purple top, very large

Laing's Improved Swede, white, . . . . .

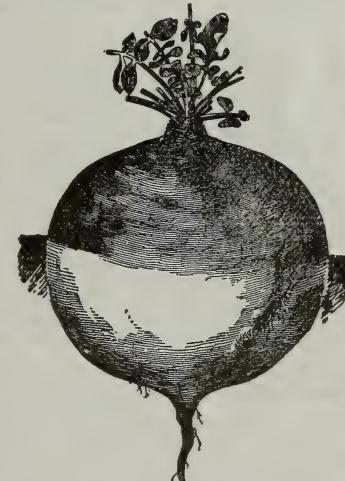
Carter's Improved Swede, yellow, . . . . .

#### Per oz Per lb

10 \$ 60

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RUTA BAGA AMERICAN PURPLE TOP TURNIP.

#### SWEET HERBS.

Anise, seeds aromatic, . . . . .  
Balm, has medicinal qualities, . . . . .  
Basil, sweet, . . . . .  
Borage, leaves used for salad, . . . . .  
Caraway, seeds aromatic, . . . . .  
Chives, . . . . .  
Coriander, seeds aromatic, . . . . .  
Dill, seeds aromatic and medicinal, . . . . .  
Fennel Sweet, seeds aromatic, . . . . .  
Horehound, . . . . .  
Lavender, leaves aromatic, . . . . .

#### SWEET HERBS.

Marjoram, leaves used in seasoning,	. . . . .	5c
Mint (peppermint), . . . . .		5c
Rosemary, aromatic, . . . . .		5c
Rue, medicinal qualities, . . . . .		5c
Saffron, medicinal qualities; also dyeing,	. . . . .	5c
Sorrel, . . . . .		5c
Sage, culinary herb, . . . . .		\$1.40 lb
Savory Summer, culinary herb, . . . . .		5c
Tarragon or Estragon (roots), . . . . .		5c
Thyme, culinary herb, . . . . .		5c
Wormwood, medicinal qualities, . . . . .		5c

# SELECT FLOWER SEEDS.

- Abobra** (Gourds) Beautiful variety of climbing gourd with elegant foliage. 5c pkt.
- Abronia** (Sand Verbena) Trailing, annual, sweet-scented clusters like verbena, lasting in bloom a long time; for rock-work or hanging-baskets. Height 12 inches. 5c pkt.
- Abutilon** (Chinese bell flower or flowering maple) Free flowering, perennial shrub; fine for indoors. For outdoor sowing before April. Will bloom first season. 10c pkt.
- Acacia** Half hardy shrub having ornamental foliage, beautiful shades of yellow, globular flowers. Soak seed in warm water before sowing. Height 6 to 10 ft. Mixed 10c pkt.
- Aconitum** (Monk's hood or Wolfs bane) Hardy, perennial, long spikes of odd shape blue and white flowers, adapted to shady corners or among shrubbery; 3 to 5 ft. 5c pkt.
- Acroclinium** Pretty, annual everlasting, 15 inches high, lovely white or rosy pink flowers, fine for border. Sgl. or dbl. 5c pkt.
- Adlumia** Hardy white perennial, 2ft. high, pure white double flowers, bloom from spring until frost, fine for cemetery decoration. Flowers first season if sown early.
- Adlumia** (Mountain fringe or Allegheny Vine) A hardy biennial climber, will resow itself year after year, feathery foliage resembling Maiden-hair Fern, flowers tube-shaped, flesh colored completely covering the plant, fine for trellises, stumps, etc. 10c pkt.
- Adonis** (Pheasant's eye) Flos Adonis, Showy, hardy, annual, of easy culture, fine cut foliage blooms a long time; dark crimson flower with light center. Height 1 ft. 5c pkt.
- Ageratum** (Floss Flower) Fine bedding sort, literally a sheet of bloom from early summer until frost; not liable to be spoiled by rain, flowers not liable to fade; easily raised from seed. Sow in March or in hot-bed and transfer into open ground in June when weather is suitable, valuable for winter flowering for conservatory. 5c pkt.
- Blue Perfection** Dark blue, largest flowering, fine bedder. 10c pkt.
- Cope's Pet** Azure blue, fine light blue sort for edging, 10c pkt.
- Dwarf Princess Pauline** Beautiful, compact, sky blue, white center, very exquisite. 10c pkt.
- Mexicanum** Lavender blue, 1 1/2 ft. 5c pkt.
- Imperial Dwarf White** Height 8 inches. 5c pkt.
- Agrostemma** (Rose of Heaven) Free blooming, hardy, perennial, blooming first season, height 1 to 2 ft. Mixed 5c pkt.
- Alyssum** (Mad-wort) Pretty little plants for beds, vases, baskets, edging, etc. Bloom profusely all summer, also useful for winter. Very sweet-scented.
- Little Gem** (or Carpet of Snow) 4 to 6 inches in height, each plant covering a circle of 15 to 30 inches. 5c pkt.
- Sweet Alyssum** Trailing flowers, white. 5c pkt.
- Tom Thumb** Compact, dwarf, fine for edging, white. 5c pkt. 30c oz.
- Saxatile Compactum** (Basket of Gold,) handsome yellow flowers, hardy perennial, blooming first season, fine for rock work, 1 ft. 5c pkt. 30c oz.
- Amaranthus** Brilliant foliaged annuals, 3 to 5 ft. Useful in borders or centers of large beds. Do not plant too closely.
- Brilliant** Foliage bright red, ends of branches carmine-rose, red and yellow. 10c pkt.
- Caudatus** (Love lies Bleeding) Blood red, drooping foliage, 3 ft. 5c pkt.
- Salicifolius** (Fountain Plant) Pyramidal, drooping habit. 5c pkt.
- Sunrise** Bronzy Crimson to brilliant scarlet. Fine for parks and large beds, 3ft. 10c pkt.
- Sulphurine** Leaves dark green, bright sulphur yellow. 10c pkt.
- Tricolor** (Joseph's Coat) Leaves red, yellow and green, 3 ft. 5c pkt. 30c oz.
- Ammobium** (Winged Everlasting) Grandiflorum, Pretty Border, annual ever-lasting, flower white with yellow disc. 5c pkt.
- Ampelopsis** (Boston or Japanese Ivy) Hardy, perennial climber, olive green leaves turning to scarlet in fall. Popular climber, fine for brick or stone walls. 10c pkt.
- Anemone** (Windflower) Hardy, perennial, large flowers, fine for bouquets. Mixed colors. 10c pkt.
- Antirrhinum** (Snap Dragon) White, yellow, scarlet, each 10c pkt. mixed colors. 10c pkt.
- Aquilegia** (Columbine) Charming, hardy, perennial, 1 to 3 ft., profuse bloomer, blue, white, rose, yellow, purple, striped, etc. Fine for borders. Sgl. mixed 5c pkt. Dbl. mixed 5c pkt.
- Arabis** (Rock Cress) Alpina very early, pure white, spring flower, appear as soon as snow disappears. Fine for rockeries or edging. 6 inches high. 10c pkt.
- Arctotis** Grandis, Beautiful new annual, 2 to 3 ft. high, large strong pure white flower embellished with yellow center, of the easiest culture. 10c pkt.
- Aristolochia Siphon** (Dutchman's Pipe) A quick growing climber with large heart shaped leaves. 5c pkt.
- Armeria** (Sea pink or cushion pink) Very pretty edging plant, bearing large tufts with rosy pink flowers, hardy perennial. 10c pkt.
- Asparagus** Plumbosus Nanus Graceful climber, finer than most delicate ferns. Will last for weeks after being cut, easily cultivated. 25c pkt.
- Sprengeri** One of the best for hanging baskets or general purposes, fronds 4 ft. long. 10c pkt.
- Verticillatus** Graceful, hardy perennial climber, scarlet berries. 10c pkt.
- Asperula Odorata** (Sweet Woodruff) Fragrant leaves and stems, grown in shaded places, white flowers. 5c pkt.
- Asters** are now one of the most important summer and autumn flowers. Their immense popularity and world-wide demand shows their adaptability to any soil or climate, there being early medium and late flowering sort which extends the blooming period from early July until frost. For the best results the ground should be very rich. Good results can be obtained from ordinary garden soil.
- Branching Varieties** 1 1/2 ft. high., very double, beautifully incurved. Crimson 10c, blue 10c, pink 10c, white 10c, rose 10c, mixed 10c.

**Asters** (Continued).

**Branching Peony Flowered** In vigor of growth, size of bloom and other qualities this type is unequalled. Height about 18 inches, free branching habit with long stems. Crimson 10c, blue 10c, white 10c, mixed 10c.

**Comet** Beautiful with long curled petals resembling the Japanese Chrysanthemum, height 1 ft. inches. Carmine 10c, pink 10c, blue 10c, mixed 10c.

**Giant Comet** Similar to the above but of stronger growth, 18 to 24 inches high. Pure white 10c, white and rose 10c.

**Giant Branching Comet** Very strong growth, 18 inches high, branching habit, flowers of large size on long stems. 10c pkt.

**Queen of the Market** The earliest flowering Aster, blooms three weeks in advance of the general run, flowers good size on long stems. Fine for cutting. Crimson 10c, pink 10c, purple 10c, white 10c, mixed 10c.

**Victoria** Magnificent bedding or cutting variety, flowers large beautifully imbricated, 1 1-2 ft. high. Scarlet 10c, purple 10c, blue 10c, pink 10c, white 10c.

**China Mixed** Very fine, all colors 5c.

**Quilled Aster** Double or quilled petals, fine for bouquets. 2 ft. 5c pkt.

**Crown or Cocardeau** Very showy, double white center, mixed colors, 1 1-2 ft. high 10c pkt.

**Daybreak** Grand variety of symmetrical growth and habit. 18 inches high, globe shaped, double, delicate, pink tint. 15c pkt.

**Dwarf Chrysanthemum** Large flowering, dwarf, double, excellent for plants and pots. Mixed 10c pkt.

**Fire-Ball** Magnificent, double, brilliant, deep scarlet 10c.

**Japanese or Tassel** Entirely distinct, new pyramidal shape, 18 inches high, long stems, flowers five inches across, wavy twisted, needle shaped petals, very graceful. Mixed 10c pkt.

**Ostrich Feather** Magnificent, resembling the Comet, flowers of immense size of loosely formed petals, equaling the best Japanese Chrysanthemums. White or pink 15c each.

**Rose flowered** Large double, pyramidal, height 2 ft. Mixed colors 10c.

**Snow Ball** A beautiful distinct sort, short petals, pure white 10c.

**Washington** Splendid, very large, double, diameter 6 inches. White 15c.

**Perennial** Single, hardy. Does well in any garden soil. If sown early will flower in early season. 10c pkt.

**Bachelor's Buttons** (See Globe Amaranth).

**Balloon Vine** (Love-in-a-Puff) Rapid growing annual climber, white flowers, seed vessels look like miniature balloons. 5c pkt.

**Balsams** (Lady Slipper) Double, camellia flowered type, and old favorite, gorgeous brilliant colored, double flowers in great profusion, easily cultivated, 2 ft. high.

**Prince Bismarck** Salmon, pink, double. 10c pkt. Scarlet, yellow, violet and mixed each 5c. White 10c.

**Baptisia** (False Indigo) Beautiful, hardy, perennial, pea-shaped flowers on spikes 6 inches long, bright blue 2 1-2 ft. 5c pkt.

**Bartonia** Showy yellow flowers, very brilliant, cannot be transplanted. 5c pkt.

**Begonias** Fine bedding variety, equal to geraniums, sturdy growth, 1 ft. high, forming dense bushes completely covered with flowers from May until frost. Unequalled as pot-plants for winter flowering and will remain in bloom the entire year. Easily raised from seed. Double mixed 25c, single mixed 15c.

**Tuberous Rooted Begonias** Plants of great value for summer decoration or window gardening, bloom first season from seed if sown in February, transplanted as soon as weather permits, produce flowers the entire summer. Double mixed 25c, single mixed 25c.

**Ornamental Leaved Begonias** Beautiful, variegated foliage. Mixed 25c.

**Bellis** Double Daisy, very handsome spring-flowering plant. 5c pkt.

**Brachycome** (or Swan River Daisy) Dwarf, annual, profuse bloomer, pretty blue or white flowers. 5c pkt.

**Calceolaria** (Lady's Slipper) Ornamental plant with mass of beautiful pocket-like flowers, blooms early and very fine for decorating green-house or conservatory.

**Hybrida Grandiflora**, 20 inches high Mixed, 25c.

**Tigrina** Large tiger spotted brilliant colors 25c.

**Calendula** (Pot Marigold) Very showy, free-flowering until frost, hardy annual, grows in any good soil, fine for beds or mixed borders, fine for pot culture, height 1 ft.

**Meteor** Large double yellow, striped with orange 5c.

**Orange King** Large double orange red flowers 5c.

**Pure Gold** Fine Golden Yellow 5c.

Mixed per pkt. 5c.

**Pluvialis** (Cape Marigold) White daisy-like flowers, under side of petals lilac, 5c.

**Calliopsis** (See Coreopsis) Showy, free-flowering annual, blooms all summer, fine for cutting and massing. 5c pkt.

**Coronata** Large yellow, fine for bedding 5c.

**Golden Wave** (Drummondii) Large golden yellow with brown center, fine for borders. 5c.

**Tinctoria** Golden with garnet eye 5c.

**Nigra Speciosa** Crimson 5c.

**Campanula** (Bellflower) Favorite, hardy herbaceous with great profusion of bell flowers thrives in light rich soil.

**Carpathica** Blue and white mixed, bloom the whole season, 6 inches 5c.

**Persicifolia Grandiflora** Fine hardy bell flowers 2 to 3 ft. blue or white. Mixed 10c.

**Canary-Bird Vine** (*Tropaeolum Canariense*) Handsome annual, rapid climber, charming little canary-colored blossoms bearing a fancied resemblance to a bird with wings half expanded 5c.

**Candytuft** (Iberis) A great favorite, fine for cutting, looks best in beds or masses. Sow in spring, will bloom until frost, very hardy, easily cultivated. Single plants look well and bloom profusely, 1 ft.

**Carmine** 5c.

**White** 5c.

**Candytuft (Continued)****Crimson** 5c.**Empress** A complete mass of pure white flowers 10c.**White Rocket** 5c.**Lavender** 5c.**Mixed colors** 5c.**Perennial mixed** 10c.

**Canna** (Indian Shot) Without exception one of the handsomest bedding plants. Soak the seeds in warm water until they show evidence of swelling. When the second leaf is out pot singly and keep under glass until proper season for planting out. Mixed colors 10c.

**Canterbury Bell** (Campanula Media) Sgl. mixed 5c. Dbl. mixed 5c.**Cup and Saucer** (Calycanthéma) Fine white, blue and rose, resembling cup and saucer. 5c.

**Carnation** (See Dianthus) Great favorite for their delicious fragrance and richness of color, indispensable for winter or summer culture. Dbl. mixed. 10c.

**Marguerite Carnations** Very popular, as they begin flowering a few weeks from time of sowing, half-dwarf, strong, requiring no support, produce long, strong stems, abundant large double, beautifully fringed, highly-scented flowers.

**Mixed colors** 10c.**Castor Oil Bean** (See Ricinus).

**Celosia or Cristata** or Cockscomb Varieties Free-blooming annuals, plant in light soil not too rich, grand for border and fine for pots.

**Empress** Combs of Colossal size, known to measure 45 inches from tip to tip; rich crimson 10c.**Glasgow Prize** Dark Crimson 10c.**Dwarf** 8 inches high, sometimes measure 2 ft. across 10c.**Mixed Dwarf** 5c.

**Centaurea** Under this name is included the popular annuals like Corn Flower, Blue Bottle, Ragged Sailor, Sweet Sultans, etc. Great favorites, fine for cut flowers; white-leaved sorts, or 'Dusty Millers' are largely used for bedding, vases, etc.

**Sweet Sultans** (Centaurea Imperialis) Beautiful, sweet-scented, strong stems, when cut will stand for several days in good condition of easy culture. Mixed colors 10c. Named colors 10c.

**Giant Sweet Sultans** (Centaurea Odorata) or Giant Cornflowers, easy to cultivate, flowers 2 to 4 inches in diameter, very graceful, sweet-scented.

**Chameleon** Pale yellow turning to a beautiful rose 10c.**Oderata** Reddish lavender, very fragrant 10c.**Margaritæ** White 10c.**Cheiranthus** (See Wall Flower) Mixed 5c pkt.

**Chrysanthemums** Annual sorts, snowy, effective garden favorites. Dbl. mixed 10c pkt sgl. mixed 10c pkt.

**Cineraria** Seed may be sown from May to September in succession. Where only one sowing is made July should be preferred. Cinerarias grow so freely that the seedling may go straight from seed-pans to thumb-pots. For transplanting, plant in a cold frame facing north, if possible. When pots become full of roots shift into larger ones until the flowering size is reached.

**Dwarf Mixed** 25c per pkt.**Tall Mixed** 25c per pkt.**Double Flowering** 25c per pkt.

**Stellata** (Star Cineraria) A charming variety with large spreading panicles of starry flowers. Same colors as the common Cineraria. The grace and elegance of the plant and flowers make them very effective for house or conservatory decoration; especially fine for church decoration and very useful for cutting. 35c.

**Cineraria** (White Leaved Sorts)

**Dusty Miller** Fine for bedding and margins, valued for their beautiful, downy, silvery foliage, half hardy perennial; 2 ft.

**Maritima Candidissima** Silvery foliage 5c pkt.**Acanthifolia** Silvery foliage 10c pkt.

**Clematis** Rapid-growing climber, fine for arbors and verandas. Seeds are slow to germinate, and should be soaked in warm water 24 hours; hardy perennial mixed colors. 10c pkt.

**Chianthus** (Australian Glory Pea) Beautiful, tender, perennial shrub with clusters of brilliant pea-shaped flowers, 3 inches in length, with large black blotch for center. 10c pkt.

**Cobaea** (Gups and Saucers Vine) A rapid climber, fine for trellises, arbors, etc., clings to any rough surface. Place seeds in the ground edgewise and cover with light soil.

**Purple** 10c pkt, pure white. 10c pkt.

**Coccinea Indica** (Scarlet-fruited Ivy-leaved Climber) Handsome, annual, gourd species with beautiful glossy ivy-like leaves, contrasting with the fine snow white bell-shaped flowers and bright carmine fruit. 10c pkt.

**Coleus** (Flame Nettle) An attractive foliage plant for house or garden, very interesting to grow from seed, easily raised; sow in March or April. 10c pkt.

**Convolvulus** (Morning glory) Climbing varieties, very popular and one of the most free-flowering, rapid-growing plants in cultivation; doing well in almost any situation, with beautiful flowers; annuals, 15 ft. Mixed colors 15c oz. 5c pkt. Dwarf per oz. 15c. 5c pkt.

**Coreopsis** (See Calochortis) A very fine hardy plant with large, showy bright, yellow flowers, produced in great abundance from June until frost, especially fine for cut flowers having long stems and lasting in good condition a week or more. These grow from seed, flowering the first year if sown early. 5c pkt.

**Cosmos** Beautiful autumn-blooming plant, producing thousands of beautiful flowers in pure white, pink and crimson shades; fine for autumn decoration when other flowers are scarce. Sow in spring in open ground when danger of frost is over, or may be started under cover and transplanted. Set about 18 inches apart in rows or in masses in beds. When about a ft. high pinch the tops out to induce a bushy growth., 2 1-2 to 4 ft. in height.

**Crimson**, 5c.**Pink** 5c.**White** 5c.

**Cosmos** (Continued)

**Mixed** 5c pкт.

**Dwarf** 5c pкт.

**Cucurbita** (See Ornamental Gourd)

**Cyclamen** Charming plant with richly colored foliage, fragrant flowers. Great favorites for winter or spring. Sow in spring or autumn.

**Persicum** Choicest mixed. 15c pкт.

**Pure white, dark red, rose** each 25c pкт.

**Cyperus** (Umbrella Plant)

**Alterdifolius** Excellent for growing in water or damp places. Very ornamental house plant. 10c.

**Cypress Vine** (*Ipomoea Quamoclit*) A favorite summer climbing annual, with feathery foliage and star-shaped flowers borne in clusters.

**White** 5c pкт.

**Scarlet** 5c pкт.

**Rose** 5c pкт.

**Mixed colors** 5c pкт.

**Dahlia** One of the best late summer and autumn flowering sorts, very popular. The double sorts will bloom first season if sown early. Single will bloom first season if sown in the open ground. Many prefer the single sorts to Cosmos, having the larger variety of colors and longer season of bloom.

**Double**, finest mixed 10c.

**Single**, finest mixed 10c.

**Single Tom Thumb**, dwarf, 1 ft. 10c.

**Datura** (Trumpet Flower) Ornamental annuals, large showy flowers; 2 to 3 ft. Dbl. and sg; 10c pкт.

**Delphinium** (Perennial Larkspur) One of the handsomest hardy perennials, splendid flowers and curiously cut leaves; for permanent beds and borders they are indispensable.

**Zalil** (Hardy Yellow Larkspur) Produces very long spikes of 40 to 50 sulphur yellow blossoms, each 1 inch in diameter; flowers from June to August, plant thrifty and bushy; 3 to 4 ft. 10c pкт.

**Formosum** Popular for groups, tall spikes of dark blue flowers with white eyes; 2 to 3 ft. 5c pкт.

**Nudicaule** Large scarlet flower; 1 1-2 ft. 10c pкт. Mixed finest single 5c pкт.  
mixed 10c pкт.

**Dianthus or Pinks** A magnificent sort embracing some of the most popular flowers in cultivation, of great variety and brilliancy with profusion of bloom. The sorts classed as annuals may be sown out-of-doors when danger of frost is past. In a few weeks time they are a mass of bloom continuing until frost; 1 ft.

**Double Annuals**

**Chinensis Fl. Pl.** (China or Indian Pink). Mixed colors 10c.

**Hedgewigi Fl. Pl.** (Japan Pink) Double mixed 10c.

**Snowball** Double white, fringed, very fine 5c pкт.

**Imperial Fl. Pl.** (Double Imperial Pink) Mixed 10c.

**Salmon King** A double flowering variety, finely fringed flowers of a brilliant salmon color 10c changing as they fade to a salmony-rose; charming for beds or borders. 10c pкт.

**Single Annuals** All single sorts have large flowers 2 to 4 inches in diameter, fine for beds or borders; 1 ft. high.

**Hedgewigi Nobilis** (Royal Pink) Beautifully fringed, colors run from white to dark red 10c

**Hedgewigi** (Japan Pink) 10c.

**Laciiniatus Fl. Pl.** (Double Fringed Pink) Large, double, showy flowers, with fringed edges and beautifully striped; mixed various colors. 5c.

**Hardy Garden Pinks** The varieties are well adapted for beds and borders; delightful, refreshing, spicy odor, should be in every garden where cut flowers are wanted.

**Semperflorens** (Ever-blooming hardy garden Pinks) Very beautiful, sweet-scented, double semi-double and single in great diversity of colors, mixed colors. 25c.

**Dianthus** (See Carnation) Carnations are general favorites for their delicious fragrance and richness of colors. They are indispensable for the green-house in winter and the garden in summer. The Marguerite is one of the best for summer flowering.

**Fine Double Mixed** The best for garden culture 10c pкт.

**Marguerite** These are the most popular of carnations with the amateur, as they begin flowering within a few weeks from the time of sowing. Our strain is of semi-dwarf, robust habit requiring no artificial support, and produces on long strong stems an abundance of large double, beautiful fringed, highly scented flowers. Separate colors 10c. Mixed, all colors Marguerite Carnation 10c.

**Didiscus** Very pretty annual, blooms profusely from July to November, pale lavender blossoms excellent for cutting. 15c pкт.

**Digitalis** (Foxglove) Handsome ornamental hardy perennial plant, easily grown, fine for shrubberies; 3 ft. Mixed colors. 10c pкт.

**Dolichos** (Hyacinth Bean) Rapid annual climber with large clusters of handsome flowers producing later in place of flowers, pods of a deep purple, very ornamental, mixed colors. 10c pкт

**Dracaena** (Dragon Plant) Fine ornamental leaved plant. Mixed colors. 25c pкт.

**Echinocystis** (Wild Cucumber Vine) Quickest growing vine known, fine for covering trellises, fences, etc. 5c pкт.

**English Daisy** (*Bellis Perennis*) A favorite almost hardy perennial blooms from early spring until late in summer, easily raised from seed, 4 inches high.

Dbl. mixed, finest quality 10c. Red, white or pink 10c.

**Erigeron** (Flea-bane) An attractive, asterlike flower, 1 inch across, purplish-rose with golden center, hardy perennial, blooms first year from May until frost if sown early. 20c pкт.

**Eryngium** (Sea Holly) Handsome ornamental, hardy plant 2 to 3 ft. high. Fine for drying for winter bouquets. 15c pкт.

**Eschscholtzia** (California Poppy) Fine annual for beds, border or masses, bloom until frost; 1 ft. Sgl. mixed 5c pкт. dbl mixed 5c pкт.

- Euphorbia** Strong, tall growing annual, attractive foliage. 10c pkt.
- Forget-me-not** (See *Myosotis*) 5c.
- Four o'clock** or *Mirabilis* 5c.
- Fox Glove** (See *Digitalis*)
- Fuchsia** (Lady's Eardrops) Well-known sort of easy culture, for house or garden, mixed colors 25c pkt.
- Gaillardia** (Blanket Flower) Splendid showy annual, remarkable for profusion, size and brilliancy of flower, bloom until frost, fine for beds, borders or cutting; 1 1-2 ft. Mixed colors annuals 10c pkt. Mixed colors, perennials, 5c pkt.
- Geranium** (Pelargonium) Double mixed, fine color 30c pkt.
- Globe Amaranth** (Gomphrena) Known as Bachelor's Buttons, fine bedding plant, flowers can be dried and be used in winter bouquets; 2 ft. mixed colors. 10c pkt.
- Gloxinia** A superb greenhouse sort with magnificent rich colored flowers; do best in equal mixture of peat, loam and sand, mixed colors. 25c pkt.
- Godetia** An attractive, hardy annual, profuse, showy flowers of varied colors; 1 1-2 ft. Mixed colors. 10c pkt.
- Gourds Ornamental** (Cucurbita) Rapid-growing, annual climbers, ornamental foliage; 1 to 20 ft. Mixed colors. 5c pkt.
- Grasses, Ornamental** These serve the double purpose of rendering mixed flower-beds or borders attractive in summer and for use in a dried state in winter bouquets, for large beds or groups on lawns, nothing gives a finer effect; largely used in public parks.
- Arundo Donax** (Great Reed) Hardy perennial. 10c.
- Briza Maxima** Fine for grass bouquets. 5c.
- Bromus Brizaeformis** Graceful, drooping perennial. 5c.
- Coix Lachrymae** (Job's Tears) Broad, cornlike leaves, annual. 5c.
- Erianthus Ravennae** (Hardy Pampas) Beautiful perennial. 5c.
- Gynnerium Argenteum** (Pampas Grass) Perennial, blooms the second season. 10c.
- Stipa Pennata** (Feather Grass) Perennial, beautiful white, delicate begins to bloom the second season; 2 ft. 5c.
- Gypsophila** Pretty, free-flowering plant for rock work, edging, etc. Mixed colors. 5c pkt.
- Helianthus** (See Sunflower)
- Helichrysum** (Straw Flower) Fine, everlasting double flowers, fine for display; hardy annuals 2 ft. Mixed colors. 5c.
- Heliotrope** (Cherry Pie) Half-hardy perennial, flowering the whole season, very fragrant. Can also be trained as a greenhouse climber. Mixed colors. 10c.
- Hibiscus** (Marshmallow) Showy, perennial plant with large beautiful colored flowers; 1 1-2 ft. Mixed colors. 10c.
- Hollyhocks** One of the most majestic of hardy plants, so well known that it needs no further description.
- In separate colors. 10c.
- Choice single mixed colors. 10c.
- Choice double mixed. 10c.
- Honesty** (Moonwort Satin Flower) Hardy biennial, with silvery seed pouches, very attractive; 2 ft. 10c.
- Humulus** (Japanese Hop) Ornamental, fast-growing climber resembling the common hop. 10c.
- Impatiens** (Sultans or Zanzibar Balsam) Charming plant for decorating greenhouse or dinner table, producing bright, waxy looking flowers. Mixed colors. 25c.
- Ipomoea** Climbers of very rapid growth, beautiful, varied flowers; for covering walls, arbors, stumps, etc.
- Coccinea** (Star Ipomoea) Small scarlet flowers 5c.
- Bona Nox** (Evening Glory) Violet, large fragrant flowers, expanding in the evening. 5c.
- Rubra Coerulea** (Heavenly Blue) Bright sky blue. 10c.
- Grandiflora** (Moon Flower) Blooms at night and on dull days, pure white flowers, 5 to 8 inches in diameter, rapid climber, 10c.
- Job's Tears** (Coix Lachrymae)
- Kenilworth Ivy** (See *Linaria*)
- Kochia Tricophylla** or **Burning Bush** 10c pkt
- Lady Slipper** (See *Calceolaria*)
- Lantana** One of the most desirable half-hardy perennials, constantly in bloom, verbena-like heads of orange, white, rose and other colors; 2 to 5 ft. Mixed colors 10c.
- Imperial Japanese** This variety without question the handsomest of all Morning Glories. Sow in good soil as soon as weather permit, a strong vigorous climber, flowers of gigantic size, remain open most of the day. The colorings are beyond description. Choice mixture 10c.
- Larkspurs** (See *Delphinium*) One of the best known garden flowers, hardy annuals
- Dwarf Rocket** 1 ft. Mixed colors 10c. Dbl. mixed 10c.
- Double Stock Flowered** Tall branching sort; 2 ft. 5c.
- Lathyrus** (Everlasting or Hardy Sweet Pea) Free-flowering hardy perennial climber continually in bloom. Mixed colors. 5c pkt.
- Lavender** (Lavandula Vera) Well-known, sweet-scented, hardy perennial; 3 ft. 5c pkt.
- Linaria** (Kenilworth Ivy) Charming small, hardy perennial, trailing plant. 10c pkt.
- Linum** (Scarlet Flax) A very showy bedding plant, brilliant scarlet, excellent bloomer, hardy perennial; 1 ft. 5c pkt.
- Lobelia** (Cardinal Flower) Popular flowering plant for pots, hanging baskets, etc. Bloom profusely from June to November, hardy perennial.
- Crystal Palace** Rich deep blue. 10c pkt.
- Crimson**, white or blue 10c pkt. Mixed colors 5c pkt.
- Hardy Perennial Lobelias** (Cardinal Flower) Brilliant scarlet; 3ft. 10c pkt.
- Lophospermum** Beautiful climbing plant, trumpet shaped flower, 10 ft. 10c pkt.
- Lupinus** Ornamental free-flowering annual, various colored, pea-shaped flowers; 2 ft. 5c pkt.
- Lychnis** Handsome hardy perennial, easy culture, fine for beds and borders. Mixed colors 10c.
- Marigold** (See *Tagetes* also *Calendula*. French Varieties) An old favorite, free-flowering.
- Double Yellow** 10c pkt.

**Marigold** (Continued)**Single Yellow** 10c pkt.**Mixed colors** 5c pkt.**African varieties****Double yellow** 10c pkt.**Large African Tall**, double yellow; 2 ft. 5c pkt.**Signata Pumila** A dwarf, compact, bushy annual marigold with beautiful delicate fern-like leaves, densely covered with flowers of bright yellow striped brown; fine border plant. 5c pkt**Matricaria** (Feaverfew) Free-flowering, blooms until frost, hardy annual; 18 inches. Dbl white 10c pkt.**Maurandia** Beautiful, slender-growing Climber, half-hardy perennial; 10 ft. Mxd colors 10c**Mesembryanthemum** (Ice Plant) Dwarf trailing plant of great beauty, blooming the whole summer, half-hardy annual; 6 inches. 5c pkt.**Mignonette** (Reseda) A popular favorite, sown in April and again in July, will keep up a succession of bloom until frost; also suitable for pots, very fragrant, (orange) 5c pkt.**Golden Machet** 10c.**Miles** Spiral spike; 8 to 10 inches long, very fragrant. 5c.**Improved red** 5c.**Sweet scented** Very fragrant. 5c.**Limosa** (Sensitive Plant) A curious, interesting annual with pinkish-white flowers, leaves close and droop when touched or shaken. 5c pkt.**Mimulus** (Musk Plant) Very showy, profuse-flowering plant, half-hardy perennial, blooms first year if sown early; 1 ft. 5c pkt.**Tigrinus** (Monkey Flower) Spotted variety. 5c.**Moschatus** (Musk Plant) Fine for hanging baskets, small yellow flowers, fragrant foliage. 5c.**Palustris** The true for get-me-not, beautiful blue flower; 6 inches. 10c.**Mirabilis** (See Four o'clock) 5c pkt.**Momordica** Very curious climber, ornamental foliage, fruit golden yellow, opens when ripe, showing the seed and its beautiful carmine interior, fine for rock-work, etc., annual 10 ft. 5c.**Morning Glory** (See Convolvulus)**Musa Ensete** (Abyssinian Banana) A splendid plant for open ground, producing a most striking effect when planted singly or in groups, thrives best in hot seasons, growing very large, 10 to 20 ft, especially when freely supplied with liquid manure. Seeds germinate easily if started in hot bed; tender perennial. 25c.**Musk Plant** (See Mimulus)**Myosotis** (For get-me-not) A pretty, small, double, aster-like flower, half-hardy perennial blooms first year if sown early, bright blue; 6 inches. 5c.**Nasturtiums** (Tropaeolum) For ease of culture, duration of bloom, brilliancy of color and general all around purposes nothing excels this popular variety. Plant in moderately good soil well drained, sunny position, quick growing and bloom profusely until hard frost comes. Tall Climbing Sorts. Crimson 5c, lilac 5c, yellow 5c, white 5c, purple 5c, rose 5c, mixed 5c.**Lobb's Climbing Nasturtiums** Scarlet, white, red. 5c each.**Tom Thumb** No collection of flowers should be without Nasturtiums, they grow so freely and afford such a variety of rich bright colors. As a cut flower there is nothing more effective sweet-scented and pleasing in every way.**Tall** Varieties mixed. 10c oz. 5c pkt.**Dwarf** Varieties mixed. 15c oz. 5c pkt.

Our mixture of Nasturtiums is the finest in the country.

**Nasturtium Dwarf** Aurora, very fine 5c pkt,

" " Beauty, yellow and scarlet, 5c pkt.

" " Bronze, 5c pkt.

" " Cardinal (Dark scarlet) 5c pkt.

" " Cloth of Gold (Light foliage) 5c pkt.

" " Crystal Palace dwarf, 5c pkt.

" " Empress of India (Dark leaves) 5c pkt,

" " King of Tom Thumb, 5c pkt.

" " King Theodore, very dark, 5c. pkt.

" " Ruby King, 5c. pkt.

" " Flammulum, Grandiflorum, tall. Scarlet and yellow, extra fine, 5c pkt.

**Nicotiana** (Tobacco Plant) Delightful, sweet-scented, pure white tubular flower, blooming continuously; annual; 2 to 3 ft. 5c pkt.**Nigella** (Love in a Mist, or Devil in the Bush) A compact, free-flowering plant with curious looking flowers and seed-pods; of easy culture; hardy annual; blue and white mixed; 1 ft. 5c pkt**Ornamental Grasses** (See Grasses)**Pansies** Are so well known that no description is necessary. Sow early and transplant. Our pansies are imported direct from the grower and are equal to the best that are offered. Fine mixture of leading shades and colors 10c.

Extra choice mixture of best large flowering varieties, 25c.

**Giant Trimardeau Pansies**

Fine mixed 10c.

Cardinal, fine scarlet, very showy 10c.

King of the Blacks 10c.

Golden Yellow 10c

Emperor William 10c.

Light Blue 10c.

Snow Queen 10c

Pure Yellow 10c.

**Violas or Tufted Pansies** While the Pansy Proper is a spring flower, violas flower throughout the entire season. Seeds sown in spring produce flowering plants by June which blooms until frost. Splendid mixed colors, fine varieties. 10c.

**Passiflora** (Passion Flower) Fine climbing plant for garden or greenhouse with a profusion of attractive flowers; mixed. 10c.

**Pentstemon** (Beard-Tongue) One of the most beautiful attractive herbaceous plants; bearing long graceful spikes of rich colored flowers; if sown early and transplanted in May will bloom in July until frost, half-hardy perennial; 2 ft., mixed colors 10c

**Perilla** Foliage a dark purple, annual; 2 ft. 5c pkt.

**Petunia** For outdoor decoration or house culture few plants equal the Petunia. Commence flowering early and continue a mixture of bloom until killed by frost, easily cultivated, requiring a good soil and sunny position.

**Superb** double fringed. 50c.

**Double Large Flowering** fine mixture. 25c.

**Single Varieties**

**Ruffled Giant** Very large, in great variety of colors 25c.

**Fringed Giant**, Very fine. 35c.

**Snowball** Pure white. 10c.

**Striped and Blotched** Small flowering. 5c.

Fine mixed, all colors. 10c.

**Phlox Drummondii** Of all summer flowering annuals this variety is unquestionably one of the most brilliant and satisfactory. Seed may be sown in open ground after danger of frost is past and in a few weeks the beds or borders are all aglow with their brilliant coloring until cut down by the frost. For early flowering they should be started indoors.

**Phlox Drummondii** Mixed colors. 5c pkt.

White 10c, pink 10c, rose 10c, scarlet 10c, red 10c.

**Dwarf Phlox** This strain of dwarf, compact habit, makes a desirable pot plant, also for ribbon lines and massing; 6 inches high.

Scarlet, white, pink, mixed colors 10c.

**Double Phlox** Especially fine for cut flowers, lasting better than the single sorts. Sow in light soils. Mixed colors 10c.

**Star Phlox** (Star of Quedlinburg) Dwarf, pretty star-shaped flower. Mixed colors 10c.

**Hardy Perennial Phlox** All colors, mixed 10c.

**Pinks** (See Dianthus)

**Poppies** An extremely popular brilliant flowering annual. Poppies should be sown where they are to remain, as they will not stand transplanting.

**Single Annual Poppies** Shirley's selected Strain 10c, scarlet 5c. white 5c.

**Plume Poppy** 14 inches high, producing many large tulip-shaped scarlet flowers 10c Single mixed 5c.

**Oriental Poppy** Perennial, exceedingly showy, scarlet with black centre. 10c pkt.

**Double Annual Poppies** Mixed colors 5c.

**Peony Flowered** Large showy, double mixed colors 5c.

**Portulaca** (Sun Plant) Fine hardy annual, of easy culture, thrives best in rather rich light sandy loam and sunny situation, flowers of richest colors, blooming throughout the summer in great profusion, fine for beds, edging or rockwork; 6 inches. Sgl. mixed 5c. Dbl. mixed 10c

**Primula** Charming beautiful Chinese Fringed Primrose, fine for winter or spring decorations. One of the most important winter-blooming pot plants, sow from March to May. White 50c pkt. scarlet 50c pkt. pink 50c pkt. crimson yellow eye 25c pkt. mixed colors 25c pkt. Double white 50c pkt. Double mixed 50c pkt.

**Primula** (Obconica Grandiflora) On single white, slight tinge of lilac. Everblooming. 10c pkt

**Pyrethrum** Handsome herbaceous plants of easy culture so much used for bedding edging etc.

**Aureum** (Golden Feather) Bright yellow foliage, 10c.

Double mixed 25c, single mixed 10c.

**Reseda** (See Mignonette)

**Rhodanthe** (Swan River Everlasting) A charming annual; does well in a light rich soil and warm sheltered situation. Fine for pot culture, flowers everlasting. Mixed colors. 5c.

**Ricinus** (Caster Oil Bean) Ornamental plant of stately growth and picturesque flowers, brilliant colored fruit; fine for lawns or center plants for beds, mixed all colors. 5c.

**Phillippiensis** 10 ft. 5c.

**Salpiglossis** (Painted Tongue) One of the greatest favorites among annuals. Partly on account of its easy culture, but mostly for its beautiful, almost orchid-like flowers. Mixed sorts 5c pkt.

**Salvia** (Flowering Sage) A favorite bedding plant, bearing long spikes of flowers in great profusion from July until frost, half-hardy perennial, blooms the first year from seed sown indoors and transplanted when weather permits.

**Splendens** (Scarlet Sage) Beautiful bright scarlet. 10c pkt.

**Patens** (Blue Sage) 5c.

**Scabiosa** (Mourning bride or Sweet Scabious) A very handsome and autumn border plant with great profusion of very double flowers. Splendid for table bouquet; hardy annual; 2 ft. Double mixed. 10c pkt.

**Scarlet Runner Beans** Great favorite of England and continent of Europe, not only as an ornamental climber, but for the delicious edible beans which succeed the bright scarlet blossoms. 5c pkt.

**Schizanthus** (Butterfly or fringe flower) Splendid annual with a profusion of various colored flowers; fine for greenhouse decorations and flower garden, of easy culture. Mixed. 5c pkt

**Smilax** (Myrsiphyllum Asparagooides) In many respects the Smilax is the most useful, and certainly one of the most graceful climbers; for bouquets and floral decorations it is indispensable. Soak seed in warm water for 12 hours and plant in pots. A tender perennial; white; 10 ft. 10c pkt.

**Solanum** (Jerusalem Cherry) Very useful pot plant for winter decoration, dwarf branching habit, leaves small and oval shaped, bearing in great profusion bright scarlet globular berries 1 ft. 10c pkt.

**Snapdragon** (See Antirrhinum)

**Stocks** (Gilliflower) The stock is one of the most popular annuals, either for bedding or pot culture, for brilliancy and diversity of color, fragrance, profusion and duration of bloom it is unsurpassed.

**Stocks** (Continued)

**Large Flowering 10-Weeks Stocks** Red 10c, blue 10c, pink 10c, purple 10c white 10c, yellow 10c, mixed colors 10c.

**Cut-and-come-again 10-weeks stock** Splendid perpetual blooming class. Sow March or April. They begin flowering in June, continuing until frost, and are especially valuable from September to October when other flowers are scarce. They throw out numerous side branches, all bearing fine double flowers. Excellent for cutting. White 10c, rose 15c, red 15c, blue 15c. Fine mixed colors. 10c pkt.

**German Stocks** Half-hardy biennial, double flowers; 2 ft. Mixed colors. 10c pkt.

**Sunflower** Remarkable for their stately growth, size and brilliancy, making a very showy effect among shrubbery and for screens. Single sunflowers are indispensable for cutting. Sow in a sunny spot in April or May. They come into bloom early in summer and keep up a constant supply of flowers until cut down by frost. 50 pkt. Single dwarf or miniature sunflower 10c pkt. Giant Sunflower, 8 ft. 50 pkt.

**SWEET PEAS** Ebeling's cream of the named Sweet Peas. This is a select list of giant-flowering varieties. We have discarded all small-flowering sorts and duplicates under different names.

**America** Crimson scarlet, striped on white, large size. 5c pkt. 10c oz.

**Blanche Ferry** Extra early. The popular pink and white. Comes into flower ten days earlier than others. 5c pkt. 10c oz.

**Dainty** Pure white edged with pink on the standards and wings. 5c pkt. 10c oz.

**Dorothy Eckford** The grandest, pure white; very large, producing enormous mass of blooms. 5c pkt. 10c oz.

**Evelyn Byatt** Standard scarlet orange, wings rose orange. 5c pkt. 10c oz.

**Gorgeous** Brilliant orange salmon. 5c pkt. 15c oz.

**King Edward VII** Bright red, giant flowering, very fine, strong stems. 5c pkt. 10c oz.

**Lady Grisel Hamilton** The finest pale lavender. 5c pkt. 10c oz.

**Lotte Eckford** White shaded lilac, white shaded, and edged lavender blue. 5c pkt. 10c oz.

**Lovely** Warm rose, pink, large and extra fine. 5c pkt. 10c oz.

**Modesty** White, with tint of pink showing a little deeper on the edges. 5c pkt. 10c oz.

**Navy Blue** Deep indigo blue, medium size. 5c pkt. 10c oz.

**Othello** Deep maroon, very dark maroon, fine form and large size. 5c pkt. 10c oz.

**Prima Donna** Soft pink; a magnificent rich, pure pink; very fine. 5c pkt. 10c oz.

**Prince of Wales** The finest bright rose. 5c pkt. 10c oz.

**Emily Eckford** Newly opened. Blossoms are rose purple, which soon change to rose lilac with suggestions of blue. The whole blossom matures into a decided blue. 5c pkt. 10c oz.

**Mrs. Eckford** Light primrose, large size, semi-hooded form, of the best type. 5c pkt. 10c oz.

**Sadie Burpee** Pure white, large size, very fine. 5c pkt. 10c oz.

**Double Flowering Sweet Peas** Finest mixed colors. 5c pkt. 10c oz.

**Sweet Peas Mixed** Price, 5c pkt: 10c oz.; 20c 1-4 lb; 60c lb. Our mixture of sweet peas are mixed under our personal supervision and contain all of the very best named sorts known to the trade, and we confidently offer them to most careful and critical buyers. A finer mixture cannot be found.

**Spencer Orchid-Flowered Sweet Peas.** The introduction of this type has created new interest and added to the popularity of Sweet Peas. They are quite distinct from the Standard sorts, having large, round, open flowers, extraordinary size, measuring two inches across, wavy standards, wide spreading wings, a very large percentage bearing four immense blossoms to the stem, which is long and strong, making them of exceptional value for cutting. All have been thoroughly tested and are just as easy to grow as the standard varieties. 10c pkt. 20c oz.

**Sweet Rocket** (*Hesperis*) Old-fashioned garden plant, also known as Dame's Rocket and Dame's Violet; 2 to 3 ft. high, with spikes of showy white, lilac and purple fragrant flowers; fine for shrubbery and permanent border; mixed colors. 5c pkt.

**Sweet Sultan** See *Centauria*.

**Sweet William** (*London Tufts*) A well-known attractive free-flowering hardy perennial, fine for beds and shrubbery; 1 1-2 ft. Sgl. mixed 5c. Double mixed 5c pkt.

**Tagetes** (See Marigolds and Calendula)

**Signata Pumila** A dwarf, compact, bushy, annual marigold with beautiful delicate fern-like leaves, densely covered with flowers of bright yellow striped brown; fine border plant 5c pkt.

**Thunbergia** (Black-eyed Susan) Beautiful rapid-growing climber used especially for hanging baskets, low fences, etc., flowers in buff, white, orange, etc., with dark eyes; mixed colors 5c pkt.

**Torenia** Fine annual; splendid plant for vases, hanging baskets, borders etc., blooming the entire season. Blue, white, and yellow. 10c pkt.

**Tritoma** (Red Hot Poker Plant) Readily grown from seed. Will bloom first year if sown early. Tritomas are becoming very popular for bedding plants and cut flowers; hardy perennial: 4 ft. Vary in color from light and deep orange, salmon and carmine. 10c pkt.

**Tropaeolum** (See *Nasturtium*)

**Verbenas** One of the most popular and free-blooming varieties and so well known that a description of this variety is unnecessary. Half-hardy perennial; easy of culture; sow early and transplant when weather permits. Fine for beds, baskets, rockeries, etc. Scarlet 10c, variegated 10c, white 10c, mixed colors 10c.

**Viola** (See *Pansies*)

**Vinca** (Madagascar Periwinkle or old Maid) Ornamental free-blooming plant, fine for bedding flower from seed the first season continuing until frost, or they may be potted and kept in bloom through the winter, 2 ft. Rose 10c, white 10c, mixed 5c.

**Wall Flower** (See *Cheiranthus*) Half-hardy perennial, 1 1-2 ft high. Mixed 5c pkt.

**Wild Cucumber** (See *Echinocystis*.) 50 pkt.

**Wild Flower Garden** 5c pkt.

**Zinnias** (Youth and Old Age) One of the most brilliant and showy of annuals. An old and continued favorite. The seed can be sown early and transplanted or sown later in open ground. They come into bloom early in summer, and continue until hard frost.

Dwarf double white, orange scarlet, rose, etc. 5c. Tall double mixed 5c. Dwarf single mixed 5c.

## KEY TO TOOLS ON FOLLOWING PAGE.

No.	Price.	No.	Price.
1 Solid Shank Hoe.....	\$ 30	Knives .....	50 to 1 25
2 Notched Scuffle Hoe.....	1 00	38-39-40 English Pruning.....	50 to 1 50
3 Narrow Hoe and Rake.....	50	Knives.....	50 to 1 25
4 Socket Common Hoe.....	35	41-42- Budding and Grafting.....	50 to 1 25
5 Trowel Shape Weeding Hoe	75	Knives.....	75
6 Onion Hoe, "double end,"..	50	43 Grafting Chisel.....	
7 Hoe and Rake, several sizes	25	44 English Pruning Hook.....	
8 Potato Hook, several sizes...	40 to 50	Knife .....	1 00
9 Secor Weeding Hook.....	10	45 Dibber for transplanting...	30
10 Large Plantation Hoe.....	50	46 Border Knives.....	60 to 1 25
11 Thistle Spud.....	50	47 Floral Sets of four pieces...	50 to 75
12 Thistle Spud for Lawns.....	50 to 75	49 Warren Hoe very practical	75
18 Pruning Shears, all kinds...	50 to 1 50	50 English and American....	
14 Hedge Shears, several sizes	1 00 to 1 75	Grass Hooks.....	25 to 55
15 Sheep and Grass Shears.....	50 to 1 50	51 Steel and Malleable Garden.....	5 to 60
16 Border Shears with roller, or without.....	2 50 to 4 00	Rakes.....	
17 Spud for Pulling Vegetables	1 00	52 English Lawn and Grass.....	1 50
18 Dutch Hoe.....	1 00	Scythe.....	
19 Patent English Scuffle Hoe	35 to 50	53 English and American.....	50 to 1 50
20 Onion and Celery Plow.....	2 50	Spades .....	
21 Tack Claw.....	15 to 25	54 Latest Pattern Steel Garden.....	25 to 60
22 Pruning and Wood Saws...	90 to 1 00	Rakes.....	
23 Mattock, several sizes.....	50 to 75	55 All styles of Shovels; large and small.....	50 to 75
24 Transplanting Forks.....	10 to 1 00	56 Asparagus, Dock and Weed.....	
25 Wire Leaf Rake.....	60	Digger.....	50
26 Narrow Mattock.....	75	57 Weeders.....	50
27 Tree Pruners, several styles	1 00 to 3 50	58 Waters' Tree Pruner.....	1 00 to 1 50
28 Steel Trowels, all grades...	10 to 60	59 Steel Trowels.....	10 to 50
29 Flower Gatherer.....	50 to 1 00	60 Cleves' Angle Trowel.....	15 to 35
30 Lang's Patent Weeder.....	25	61 Watering Pot.....	25 to 75
31 Trellis, all sizes.....	15 to 2 00	62 Watering Pot.....	1 00
32 Double End Pruning Saw...	90	63-64-65-66 Weeders.....	15 to 30
33 Bill Hook.....	1 00 to 1 50	67-68-69-70-71-72 Thermometers	20 to 1 50
84 Garden Line and Reel.....	1 00 to 1 50	73 Pruning Saws.....	75 to 90
35 Grape and other Scissors....	25 to 1 00	75-76-77-78-79 Brass Syringes...	2 00 to 5 50
36 English Lawn Rake.....	75 to 1 25	80 Double Leaf Rake.....	65
37 Whittling and Pruning.....			

## GALVANIZED WINDOW BOXES

No.	Height	Width	Length	Water Capacity	Price
0	6-in.	6	16-inch	1	qt. \$1.50
1	8-in.	9 1-2	23-inch	2 1-2	" 1.75
2	8-in.	9 1-2	25-inch	3	" 2.00
3	8 in.	9 1-2	27-inch	3 1-2	" 2.25
4	8 in.	9 1-2	29-inch	4	" 2.50
5	8-in.	9 1-2	31-inch	4 1-2	" 2.75
6	8-in.	9 1-2	33 inch	5	" 3.00
7	8 in.	9 1-2	35-inch	5 1-2	" 3.25
8	8-in.	9 1-2	37-inch	6	" 3.50
9	8-in.	9 1-2	39 inch	6 1-2	" 3.75
10	8-in.	9 1-2	41-inch	7	" 4.00



## Compressed Salt Cakes and Frames

For Horses, Cattle and Sheep. PATENTED. Pure Refined Salt. Acts as a tonic; invigorates the system; promotes digestion; purifies the blood.

**25C. PER CAKE**

Five Cakes for One Dollar

Frames, 25 Cents



## SEED AND GRAIN TRYERS.

Large Taper Tryer, Steel Point, Nickled,	Price, \$1.25
" " " " Brass,	" 1.00
Small Straight, " " Brass, .75	

A LIBERAL DISCOUNT TO THE TRADE.

Note Our List of Poultry Supplies on Last Page.

Buy Your Whips, Cutlery and Hardware of Us.



WATERING POTS.

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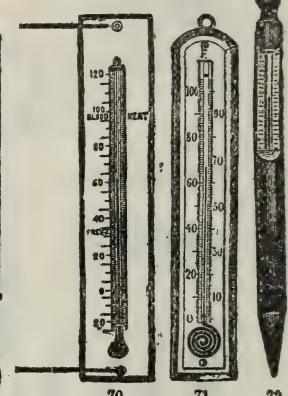
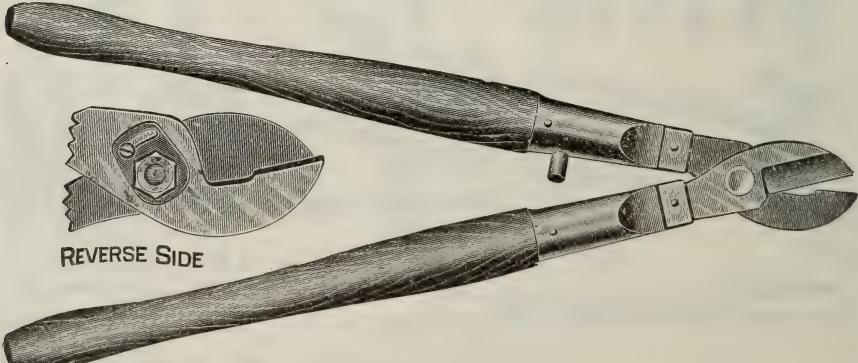
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**CRONK'S WOOD HANDLE PRUNING SHEARS.**

This Tree or Hedge Pruner, being made with notched hook, will work easier than any other pruner of this style on the market. The blades are made of best tool steel. The blades of No. 12 are made from fine cutlery steel; extra heavy and extra long. Has seamless steel ferrules securely fastened to handles, and riveted to blades to prevent coming loose.

Price

\$1.25

# IRON AGE WHEEL HOES

## AND GARDEN SEED DRILLS

**For market gardeners**, they save time in their operation, save ground because you can plant close as crop will stand, save seed because of sure planting at any distance apart or in continuous rows as thick as you wish.

You can cultivate more thoroughly and more carefully than with a horse, and work with wheel hoes until first crop is harvested.

**For home gardeners**, they take away all of the drudgery of hard work and make garden cultivation into real pleasure and profit--better crops than you could have with the old-fashioned hoe. Your wife and children can operate them.



No. 1, in narrow rows of onions.

**No. 7,**  
Drill only.  
\$9.00



**For Poultrymen**, this is another means of keeping your chicks healthy and makes but little work--stir the soil in your chicken yard, also turn under a few oats and let them scratch for it.

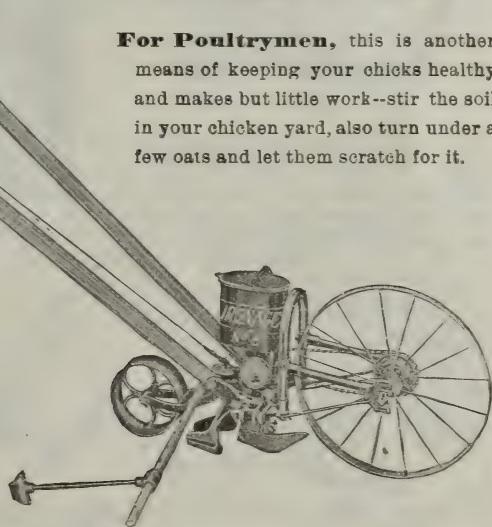


Fig. 114. No. 6, Combined includes all tools shown. Price \$12.00

**The No. 6. Combined**, shown on this page is four machines in one--a hill dropper, drill seeder, double wheel hoe and single wheel hoe. Sows accurately any kind of small seed. Has force feed with brush agitator that does not injure the seed.

With the tools here shown you can hoe between or astride the rows, cultivate, furrow, cover, ridge growing crops, weed and level the ground. Its wheel hoe form is known as No. 1, shown on next page.



An old gentleman cultivates this garden alone.

**Ask for latest Iron Age Garden Tool Booklet**



This lady does her own work.

gle wheel form. This is the only tool on the market which can be changed this way. Changes take but a few minutes. Steel pipe frame and steel wheels. Regular bicycle construction; light and strong. The 16-inch wheels ride furrows and holes easily and carry the frame high enough to pass over 20 inch plants when cultivating astride the rows. The work

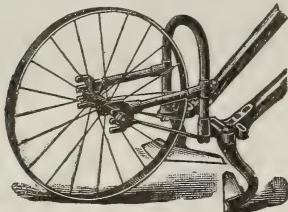


Fig. 76.

of this tool is described on previous page. The handles are adjustable for tall men or short boys. You can cultivate ten times as often as with the old hoe—also much better and safer.

Price, complete,  
\$6.00

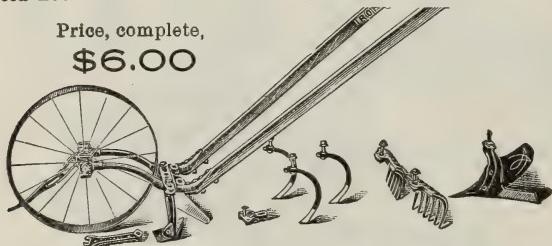


Fig. 135. No. 20 Single Wheel Hoe. No. 21 with side shoes only, \$4.



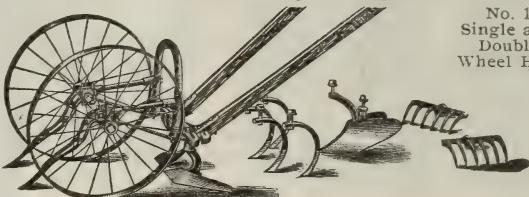
# IRON AGE WHEEL HOES

are practical, every-day tools for everybody interested in making gardens, big and little.

## No. 1 Double and Single Wheel Hoe

is shown in Fig. 75. Fig. 76 shows the sin-

No. 1  
Single and  
Double  
Wheel Hoe



Price, complete, \$7.00. With side hoes only, \$4.25



No. 20 Ridging Celery.

## No. 20 is a Sin- gle Wheel Hoe

Fig. 135

and takes all of the cultivating tools we show in connection with it, also hill and drill seeder attachment which makes it into

**No. 15 Combined, Fig. 125**, shown at the bottom of the page. Does the same work as the No. 6 and No. 1, except that it is intended for use between rows and not astride. Will do good work as a plow in many soils. Runs steadily and easily. Cut in the center shows No. 20 ridging celery.

The small engraving at the left shows practical application of No. 12 tool in chicken yard.

Ask for IRON AGE Booklets showing their complete lines.

No. 15 Combined

Price, complete,

\$11.00

Fig. 125



# IRON AGE WHEEL HOES AND DRILLS

Here we have No. 12 plowing the garden in deep, true furrows. Of course it will not do this in hard ground. This tool (Fig. 120) is low in price and within the reach of every mechanic and laborer. It does all of the necessary cultivating, weeding, furrowing, covering, ridging, etc., in a small kitchen garden. It is a very light tool, easily handled by anyone.

## THE "GEM" SINGLE WHEEL CULTIVATOR

is a differently constructed garden tool but does about the same work as the others. Can be changed to a double



Plowing all of the garden with No. 12

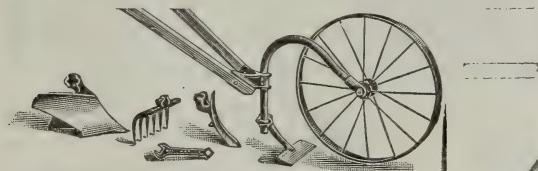


Fig. 120. No. 12. Price, \$3.50.

wheel machine for working astride the rows, when ordered that way. Also takes a landside plow as an extra. Has been a favorite with gardeners for thirty years.

## No. 25. Fertilizer Distributor

is made by putting a distributor



Fig. 189. No. 25. Price, \$8.00.  
Attachment only \$4.50

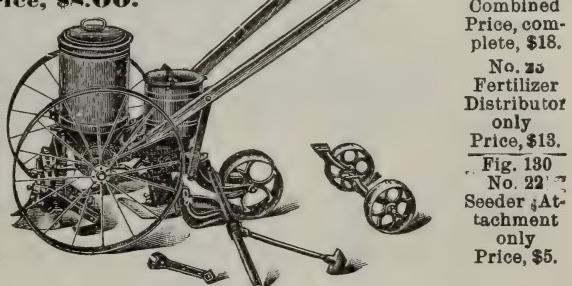
## Combined Fertilizer Distributor Hill and Grain Seeder No. 22

Handles all commercial fertilizers in the proper manner. Separate plows open two furrows for fertilizer and covers follow each plow. Then, another plow opens a furrow for the seed which drops where it cannot touch the fertilizer. The seed is covered, rolled and next row marked in one operation. Practically the same seeder attachment as on no 6. Sows in hills or drills.

**No. 23** is the plain form of this tool without seeder attachment—is used principally for side dressing.



Fig. 28. New Model Seed Drill.  
Price, \$8.00.



No. 22 Combined Price, complete, \$18.

No. 23 Fertilizer Distributor only Price, \$13.

Fig. 180  
No. 22 Seeder & Attachment only Price, \$5.

# IRON AGE HORSE HOES, HARROWS AND CULTIVATORS

These tools are built with long, all-steel frames, set high from the ground and they run steady and free from trash, etc. All can be purchased in their simplest forms—that is without wheel or lever expander and equipment as needed.

**Fig. 100** shows one form of No. 6. Adjustments can be made for any width rows and any kind of cultivation wanted.



Fig. 100. No. 6, with plain wheel, \$5.75. Expands to 30 inches. Price, with lever wheel, \$6.25.

## ASK FOR SPECIAL BOOKLET ON IRON AGE HORSE HOES, HARROWS AND CULTIVATORS.



Fig. 106. No. 1 Harrow and Cultivator.

Price, \$5.00.

Easily guided and easily adjusted to suit your particular needs. They are furnished in four different combinations of the same machine as shown in the cut, (No. 83) differing only in the gangs—you are sure to find just what you want for your conditions. The range of cultivation is 28 to 48 inches. Furnished regularly with break pin hoes but can be fitted with spring hoes or spring teeth, if wanted that way. Levers control adjustments while machine is in motion. Wheels can be fixed for fallow work when on the road. Tooth standards adjustable for height and angle. Spring pressure keeps the teeth in the soil and another helps in shifting the gangs.

## RIDING CULTIVATORS

With Pivot Wheels



No. 83. Price, \$31.00.

## NO 60, PIVOT WHEEL RIDING CULTIVATOR

Has 42-inch wheels, which can be set to accommodate rows 39 to 50 inches apart. This represents the range of cultivation. Gangs are rigid in operation. Adjustable teeth as on No. 83 and gangs are adjusted by levers to suit width rows. Spring pressure lock down. Three other forms of this tool can be furnished.

## ASK FOR IRON AGE BOOKLET ON RIDING AND WALKING CULTIVATORS.

Bei uns wird Deutsch gesprochen.

# IRON AGE

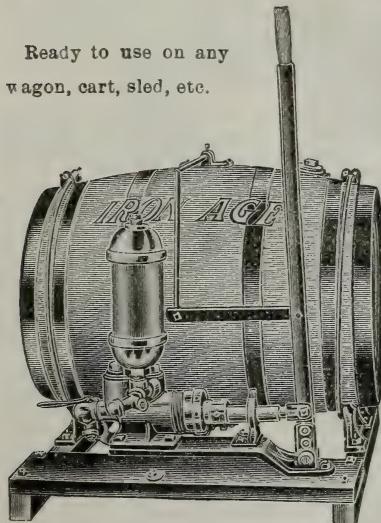
## POTATO PLANTERS

This is the only one that plants entirely by machine but provides the means for correcting doubles and misses. Plants a seed piece in every space and one only—100 per cent. Every double planting in one hill means waste and smaller potatoes in that hill. Every missing hill means ground wasted and less potatoes per acre. The time of the man or boy on the rear seat costs \$2.00 per day or less and he can save \$5 to \$50 on every acre.



Boy earns his way ten to twenty times over. Machine does the planting—he makes corrections only.  
Ask us for the planters special booklet. Price \$73.00 and \$83.00

Ready to use on any wagon, cart, sled, etc.



No. 190. Price, \$18.00.

## IRON AGE SPRAYERS

We want to call your attention especially to the new line of barrel and bucket sprayers. **No. 190** is a Horizontal Barrel Sprayer with outside pump and is shipped ready for use. Furnished with one or two leads of hose and with steel or bamboo rods as wanted.

The line also includes **No. 191 Vertical Barrel Pump**, which can be attached to any barrel. Is entirely outside and develops 150 pounds pressure. See also **No. 192 Bucket Pump Sprayer**, with or without bucket. All of the above are easy to repack—all have brass fittings—all handle any kind of solution, hot or cold.

## TRACTION SPRAYERS

This part of the Iron Age line is so well known as to need little mention. Made in 4, 6, 7 row sizes, with single or double acting pumps, 55 gallon, steel or wood, or 100 gallon wood tanks, fitted for one or two horses. Also grain or weed sprayers, and pickle sprayers. Special attachments for tomatoes, etc., and for orchards.

### ASK FOR SPRAYER BOOKLET

55 gal. Steel

Tank

Wood Wheels

Single

Acting

Pump



Fig. 207, No. 102, Price \$73.00

Strainer Bucket with each machine.

Nozzle Strainers  
with each  
machine

# The Three Greatest Insecticides

SIMPLE, EFFECTIVE, ECONOMICAL — —

## LIME AND SULPHUR---PYROX---ARSENATE OF LEAD

### BOWKER'S LIME AND SULPHUR

Every spring when the buds are swelling, but before they show green at the tips, all your fruit trees, vines and shrubs of every kind should be sprayed with our Bowker's Lime-Sulphur. Applications made later than this may burn the foliage and cause serious injury. Therefore you should order early and be prepared for the season.

#### SPRAYING WITH LIME-SULPHUR IS CHEAP INSURANCE

It's better than most insurance because every time you spray you reap a benefit, whether you have San Jose Scale present or not. It kills all forms of scales and bark lice which are always present, the leaf blifter mite, the eggs of many insects and the fungus spores which are lodged on the bark. It checks the growth of mosses and lichens and cleans up the trunk and the large branches.

**Lime-Sulphur is not a poison** and kills only by coming directly in contact with the insect. It does not kill leaf-eating insects. Spray for these with our Pyrox.

Our Lime-Sulphur has fungicidal properties and is invaluable for use on peaches, plums and all stone fruits.

It's in concentrated solution, always ready for Fall, Winter and Spring use. You simply add spring water and then spray.

**ANALYSIS**—Gravity (Beaume) 33.50 to 36.50°; total Lime and Sulphur 35 to 41 per cent.

**1 gal. 75c.; 5 gal. \$2.25; 10. gal. \$4.00; 25 gal. \$6.50; 50 gal. \$12.00.**

### BOWKER'S PYROX--KILLS AND CURES

Pyrox sticks like paint; kills **all leaf-eating insects**, and **prevents disease** on potatoes, fruit trees, shade trees, and small fruits and vegetables. It serves the purpose for which two mixtures were previously used, and has done so for over ten years. Pyrox is no experiment; it was introduced in 1898.

It combines non-burning Arsenate of Lead with non-burning Bordeaux Mixture—both thoroughly tried-out remedies—in the shape of a dense, heavy, creamy paste that looks like paint, is easily mixed with cold water, and sticks like paint to the foliage. It won't wash off.

Bowker's Pyrox is something more than a combination of Arsenate of Lead and Bordeaux. It is a mixture with reliability and brains behind it; a mixture with laboratory and field experience to support it; a mixture made by careful methods in a modern plant under expert supervision. Such a combination costs more to make and is worth more to buy because of the insurance the name affords against haphazard preparations. Paris Green and Bordeaux applied together or separately never adhere through heavy rains like Pyrox. Frequently our customers send us sample leaves from trees sprayed in May or June that show plenty of Pyrox adhering in October.

**It Won't Wash Off.** If it were not for the new growth coming along, as is usually the case with shade trees, fruit trees, shrubs, potato vines, etc., and which of course must be protected, one spraying would be enough for the season. **1 lb. 25c.; 5 lbs. \$1.00; 10 lbs. \$1.75; 25 lbs. \$4; 50 lbs \$7.50.** If you use 100 pounds or more, write to us, stating amount, and get special price.

JAMESVILLE, N. Y., Jan. 16th, 1912 Mr. F. H. Ebeling—Dear Sir: The Pyrox I purchased from you gave splendid results on apples, cherries, currants and plums. I found it greatly increased the keeping quality of apples. Have never had better returns for the money invested.

Respectfully yours,  
EMMETT RANDALL.

**SWIFT'S  
STANDS FOR QUALITY**

If you are a truck farmer, gardener, planter, orchardist or shade tree grower you need

### SWIFT'S POISON ARSENATE OF LEAD.

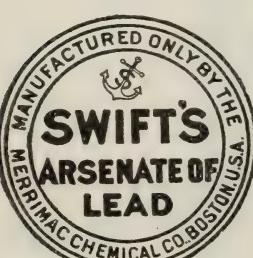
It destroys leaf-eating insects.

It stays well in suspension.

It will not wash off like Paris Green.

It is ready to mix and sure to kill.

It cannot clog the pump.

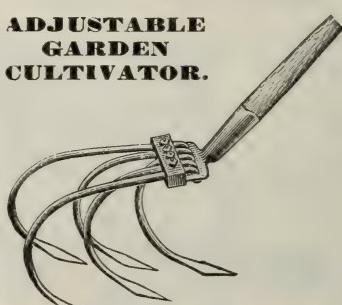


REG. TRADE MARK  
INSIST ON HAVING  
**SWIFT'S**

**1 lb. 25c.; 2 lb. 50c.; 5 lbs. \$1.00.**

### THE "NORCROSS"

#### ADJUSTABLE GARDEN CULTIVATOR.



Does the work easier and faster than any Wheel Hoe. It is adjustable and every part detachable. It works between rows, or centre tooth can be removed and straddle the row.

**Price \$1.00.**

**SLUG SHOT**—It is a light, composite, impalpably fine powder, easily distributed by Duster, Bellows, or in water by spraying. It is thoroughly reliable in killing Currant Worms, Potato Bugs, Cabbage Worms, Lice, Slugs, Sow Bugs, etc., and is also strongly impregnated with fungicides.

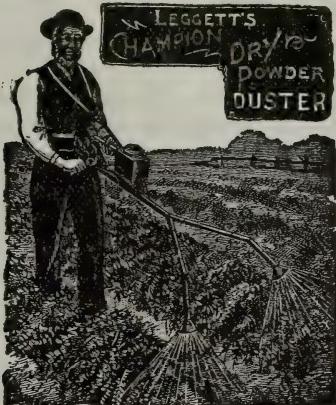
### CARBOLINIUM

Insecticide and wood preserver.

Per 1 gallon, . . . . .	\$1.25
" 5 "	1.15
" 10 "	1.00

Special prices for larger quantities.

### CHAMPION DRY POWDER GUN.



Price

\$7.50

A wonderful invention. Light, swift, safe, strong and cheap. Dusts the pure green. Kills all the bugs and pests without injuring the vines or foliage. Less green used and better results obtained.

### Sterlingworth Whale Oil Soap and Tobacco.

Sterlingworth Whale Oil Soap and Tobacco is a most effective, reliable, simple and cheap preparation for destroying San Jose Scale, Plant Lice and all sucking insects on trees, shrubs, plants, vines, rose bushes, etc. The efficiency of this Soap is further increased by the addition of tobacco extractive matter and potash. The preparation thus compounded possesses all the virtues of Whale Oil Soap, and, in addition, the valuable insecticide properties of tobacco and potash, making it doubly valuable. Full directions on each package. Price, 1-lb box, 15c.

### Remedy for Cut-Worms on Cabbage and Tomatoes.

Soak bran with Paris green and scatter same in the rows. This will destroy this troublesome pest.

### To Destroy Ants in Hills, Etc.

Inject bi-sulphate of carbon in the hills. This will destroy them promptly.



### SULPHO-TOBACCO SOAP

Quickly exterminates all insect life on plants or flowers in and out of doors. Unsurpassed for rose bushes. For a cheap, effective, clean and harmless Insecticide this is unexcelled. It also acts as a valuable fertilizer reviving plant life. For domestic purposes it rids the house of cockroaches, and is a superior wash for dogs and all animals. Prevents poultry lice. You cannot afford to be without this popular and gratifying results.

3-oz. Cake, sufficient for 1 1-2 gallons prepared solution, 10c; mailed postpaid 13c.  
8-oz. Cake, sufficient for four gallons prepared solution, 20c; mailed postpaid 28c.

With every order we enclose free a booklet "The Window Garden" giving valuable information of Plants, and exterminating of Insects.



As the name indicates, this article is an Insecticide as well as a Fungicide. It is compounded the same as the Fungicide Dry Bordeaux and in addition to its value as a Fungicide there has been added the necessary poison to make it deathly to all eating insects. It kills slugs, beetles and all leaf-eating insects, and prevents blight and rot on potatoes as well as performing many other services. It sticks well to vegetation, one application lasting in some cases the entire season.

Full directions for using accompany each package. In ordering always specify "Insecticide and Fungicide" to distinguish from "Fungicide Dry Bordeaux."

Price—1 lb. box, 90 cents. 5 lb. box, \$1.25.

### BORDEAUX MIXTURE.

#### Insecticide and Fungicide.

As the name indicates, this article is an Insecticide as well as a Fungicide. It is compounded the same as the Fungicide Dry Bordeaux and in addition to its value as a Fungicide there has been added the necessary poison to make it deathly to all eating insects. It kills slugs, beetles and all leaf-eating insects, and prevents blight and rot on potatoes as well as performing many other services. It sticks well to vegetation, one application lasting in some cases the entire season.

Full directions for using accompany each package. In ordering always specify "Insecticide and Fungicide" to distinguish from "Fungicide Dry Bordeaux."

# Description of "Auto-Spray" No. 1



This invention is without doubt the most important ever made in the line of spray machinery. Its many novel features make it a thoroughly practical machine for all limited uses, and it is even used with great satisfaction in many large operations.

The "Auto-Spray" No. 1, when properly charged, contains three gallons of solution and one gallon of compressed air. Eight to twelve strokes of the plunger will compress the air and two pumpings will discharge the entire contents. Three gallons of solution, or one charge, will easily cover one-quarter acre of potatoes or other similar crop.

This "Auto-Spray" is thoroughly substantial and constructed upon mechanical lines. We may safely claim that it is the **only** thoroughly practical and **absolutely perfect** compressed air sprayer manufactured.

**Endorsed by more than 200,000 satisfied customers.**

**Note our broad guarantee.**

WE WARRANT THE "AUTO-SPRAY," NO. 1, TO BE PERFECT MECHANICALLY AND TO GIVE SATISFACTION IN EVERY CASE, AND WILL REFUND THE PURCHASE PRICE TO ANY DISSATISFIED CUSTOMER WITHIN TEN DAYS AFTER RECEIPT OF MACHINE.



The "Auto-Spray," No. 1, has **completely supplanted** the old style knapsack and bucket pumps. It may be carried to the top of the tallest tree, and it does not require the constant pumping of the knapsack sprayer.

The "Auto-pop" is an automatic valve which is closed by the air pressure used to operate the "Auto-Spray." A lever is moved by simply closing the hand, thus opening the valve and allowing an instantaneous discharge of spray. By releasing the lever it closes itself automatically, hence the spray is in perfect control. The value of the "Auto-pop" is most apparent in spraying potatoes, tobacco, small fruits, etc., where only enough is used to spray each plant or vine. This is a wonderful saving over the continuous spray because it requires pumping only half as often and the solution goes twice as far.

The "Anti-Choke" Nozzle always furnished with this Sprayer, is the only nozzle which cleans itself automatically and can never clog.

The "Auto-Spray," No. 1, is also equipped, WHERE SO ORDERED, with extension piping and elbow extension. The extension pipe is used in reaching tall trees and the elbow extension is useful in reaching the under side of melon, cucumber and strawberry leaves.

**Price of Extension Rod, \$7.50.**

## CARBOLINIUM

Disinfectant and wood preserver. Retail prices.	
1 or 2 gallons . . . . .	\$1.25 per gallon
3 gallons . . . . .	1.15 "
5 or 10 gallons . . . . .	1.00 "

## BUG DEATH

1 pound . . . . .	\$ .15
3 " . . . . .	.35
5 " . . . . .	.50
12 1-2 " . . . . .	1.00
100 " . . . . .	7.00

## INSECTICIDES.

Arsenate of Lead, 1 lb. 25c; 5 lbs. \$1.00; 10 lbs. \$2.00; 20 lbs. \$3.75.  
 Black Stuff, Tobacco Powder, per lb 10c.  
 Cooper's Sheep Dip, pkg 50c, \$2.00.  
 Eureka Fumigator, \$1.25.  
 Eureka Weed Killer, per can \$1.50.  
 Fir Tree Oil Soap, per pkg. 30c.  
 Fir Tree Oil, 1-2 pint, 75c; pint, \$1.00.  
 Hellebore, per lb. 25c.  
 Jumbo Powder Gun, 25c.  
 Kerosene Emulsion, 35c., \$1.00.  
 Lambert's Death-to-Lice, 10c., 25c., 50c., \$1.00.  
 Lime-Sulphur, see page 9.  
 London Purple, per lb. 40c.  
 Nico-Fume, Liquid, 1 gal., \$10.50; 1-2 gal., \$5.50;  
 pt., \$1.50; 1-4 pt., 50c.

Nico-Fume Tobacco Paper, 288 sheets, \$6.50; 144, \$3.50; 24, 75c.  
 Nicoticide, 1-2 pt. \$1.25, pt. \$2.50.  
 Paris Green, 3¢.  
 Persian Insect Powder per lb 50c.  
 Pyrox, 1 lb. 25c; 5 lbs. \$1.00; 10 lbs. \$1.75; 25 lbs. \$4.00; 50 lbs. \$7.50.  
 Slug Shot, 1 lb. carton 15c., 5 lb. 30c.  
 Sulpho Tobacco Soap, 10c and 20c.  
 Tobacco Dust, lb. 10c.  
 Tobacco Soap per pkg 25c. and 50c.  
 Tobacco Stems, lb. 5c., per bale, \$2.50.  
 Weedicide, per gallon, \$1.50.  
 Whale Oil Soap, 10c., 15c., 25c.  
 Whale Oil Soap in bulk, per lb. 6c.  
 Whale Oil Soap and Tobacco, 1 lb. 15c; 5 lbs. 60c.

# IRON AGE Horizontal Barrel Sprayer

No. 190

**FOR SMALL ORCHARD OR GARDEN**--for the man who cannot afford nor find use for the combination potato and orchard machine or the big power sprayer equipments.

**USED IN ANY WAGON OR CART**, or on a sled—one horse is enough. Being mounted in a horizontal position on a platform or skid and held by same style adjustable hoops as on regular wood tank, this outfit is not easily upset, whether empty or filled.

**PUMP IS OUTSIDE**--The convenient and natural way—saves the pump from corrosion, and is easy to get at.

**100 TO 125 POUNDS PRESSURE** with easy movement of the lever.

**HEMP PACKING** only—leather wears and hardens and becomes useless for this purpose.

**BRONZE BALL VALVES** only. A small lever at the left turns the solution off when necessary to look at them.

**CAPACITY AND MIXING**--Barrel holds 50 gallons. Solutions are kept thoroughly mixed by a steel automatic dasher.

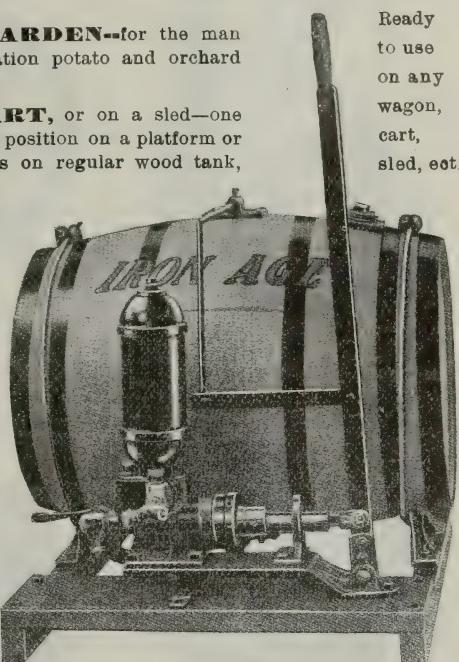
**EQUIPMENT**--Each sprayer has double hose coupling so that either one or two leads of hose can be used.

**SHIPPED SELF-CONTAINED**--To make it ready attach air chamber and lever.

**ORCHARD ATTACHMENT**--Pipe or bamboo rod can be used.

Price, complete, \$18.00.

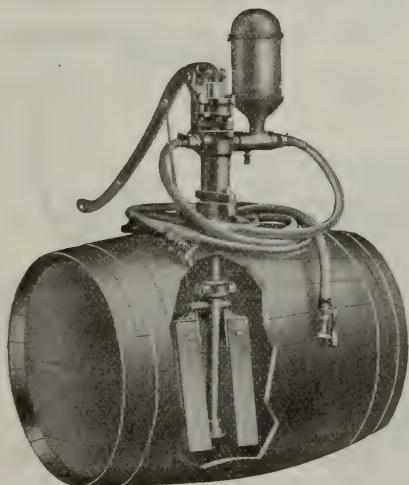
Ready  
to use  
on any  
wagon,  
cart,  
sled, ect.



## GOULD'S STANDARD SPRAYER

LARGE CAPACITY, BRASS LINED CYLINDER, BRASS VALVES, LARGE AIR CHAMBER.

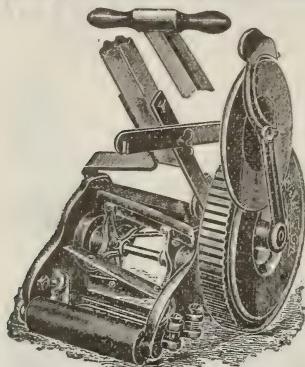
Comes with 15 feet Double Hose.



The "Standard" Sprayer is made in two sizes, one with 2 1/2 inch cylinder, the other with a 3 inch cylinder. The cylinder is brass lined, the plunger brass encased and the valves are all brass, making all working parts proof against the spraying mixtures. The plunger is easily repacked without taking the sprayer to pieces, and is unusually large, known as a "differential" plunger, which produces a continuous stream of liquid from the nozzle, similar to the action of a double acting pump. The base is made so as to fit either the end or side of a barrel. The lever is long and powerful, making the labor easy. There are two discharges provided, but when sprayer is ordered without hose or nozzle, we plug one opening and fit the other with brass bushing and half coupling for hose. The price includes a brass strainer for suction pipe, but does not include suction pipe or agitator.

Can be used for spraying whitewash.

Price \$12.50

**CAPITAL LAWN TRIMMER**

For trimming around walks, flower beds, trees, posts, monuments and shrubbery, and all places that cannot be reached with any lawn mower. Cuts within one fourth of an inch of the edge.

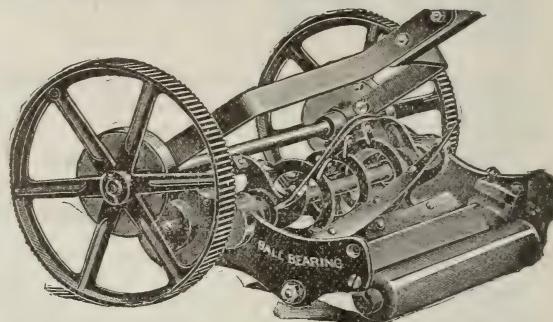
Has a revolving cutter with four crucible steel blades, tempered in oil and cuts six inches wide.

It has an adjustable guide wheel in front opposite the drive wheel, with an adjustable wood roller in the rear to adjust the height of cut and balance the machine, making it run steady. It will cut as high as 1 1/4 inches, and as close as one-half inch to the ground. Price, \$6.00.

**DUNHAM LAWN ROLLERS,  
Roller Bearing,**

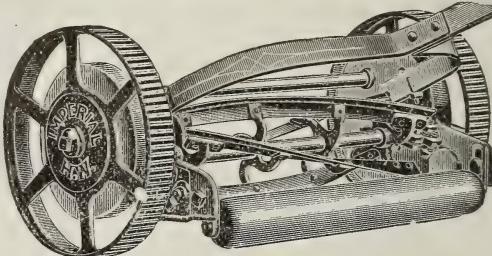
Are infinitely superior to other rollers. They tower above all others in efficiency, being 44 per cent. lighter running than any other roller on the market by actual tests. With a Dunham a boy can do the work that requires a man's strength with other rollers of the same weight.

200 lbs. \$10.00      250 lbs. \$12.00  
300 lbs. \$13.00.

**FOREST CITY BALL BEARING**

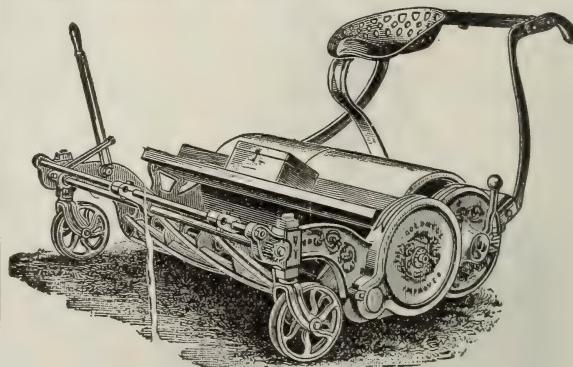
This unquestionably is the Best BALL BEARING MOWER on the market. Perfect in detail, absolutely guaranteed.

15 inch	- -	\$10.00	19 inch	- -	\$12.00
17 "	- -	11.00	21 "	- -	13.00

**HIGH WHEEL IMPERIAL**

Absolutely Warranted for Two Years. Positive Adjustment. Has no Equal. In Public Parks, Private Lawns and Cemeteries everywhere. Ask for Special Catalogue.

16 inch	-	\$ 9.00	20 "	-	12.00
18 "	-	10.00	22 "	-	13.00

**IMPERIAL HORSE LAWN MOWER**

**PRICE, \$55.00 AND UP.**

Absolutely Guaranteed to Cut Clean in turning around. Send for Catalogue.

## SPRING PLANTS, BULBS AND ROOTS.

	PER DOZ.		PER DOZ.		PER DOZ.
Cauliflower Plants	25 cts	Root Celery Plants	"	Aster Plants	35 "
Cabbage	10 "	Sweet Marjoram	"	Stocks	35 "
Tomato	25 "	Sage Plants	"	Petunia	50 "
Egg Plant	50 "	Summer Savory	"	Snapdragon	40 "
Pepper	25 "	Thyme	"	Beautiful Japanese Fern	
Kohlrabi	"	Verbena Plants	50 "	Balls each	50 "
		Pansy	30 "		

**SUMMER HYACINTHS**—White drooping petals, very handsome. Plant in May, and will blossom for about six months.

**CACTUS DAHLIAS**—Strahlen Kron—Intense cardinal red, long, twisted petals and profuse bloom. Earl of Pembroke, rich plum color.

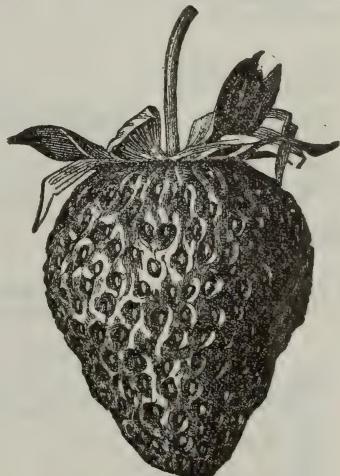
**QUILLED DAHLIAS**—A. D. Lavonia, beautiful clear pink perfect form, one of the best. Purple Gem, flowers perfectly quilled, dark purple.

**DECORATIVE DAHLIAS**—Blue Oban, the nearest to a blue dahlia. Marguerite Queen, large flowers of Marguerite color, double, profuse bloomer. Price, 15c each, two for 25c, \$1.25 a doz.

Gladiolas, Dahlias, Tube-Roses, Tuberous Begonias, Maderia Vines, Peonies, Gloxinias.

## FLORISTS' SUNDRIES.

Self Registering Thermometers	Hanging Baskets
Tin Foil	Flower Supports
Green Moss	Plant Stands
Florist Letters	Trellises
Raffia and Reed	Shears
Immortelles	Scissors
Mastica	Fine Cutlery
Plant Labels	Syringes for Plants
Fumigators	Flower Pot Brackets
Bulb Syringes	Sharpening of Shears, etc.
Glazing Points	Lawn Seed and Fertilizers
Flower Pots	Bird Supplies
Hyacinth Glasses	Wire Plant Supports
Silkaline, per spool, 30 cts.	



## STRAWBERRY PLANTS.

We are pleased to announce that we can furnish choice thrifty STRAWBERRY and RASPBERRY Plants of all the leading varieties and recommend them to our customers.

Strawberry Plants 75c per 100; Raspberry Plants \$1.50 per 100. Leave orders early.

## BERRY BASKETS.

Under the new law all Berry Baskets must be made up to the standard size. We offer Berry Baskets of correct size and shape and well made. Prices right. Our Baskets fit the Crate perfectly. We can save you money on berry baskets if you place orders early. Call and see us before buying.

\$3.00      \$2.00      \$1.50

FLOWER TUBS \$1.50 TO \$4.00



Flower Pots, Hanging Baskets, Fern Pans, Lily Pans

TRELLISES,  
URNS, VASES,  
SETTEES.

We offer a fine variety of styles in various sizes suitable for lawns front, yards, cemeteries, parks etc. These can be furnished to order on short notice, at reasonable prices. For full particulars, write or call and see us.



# MASTICA FOR GLAZING GREENHOUSES, SASHES,

Etc., new and old. It is elastic, adhesive and easily applied. It is not affected by dampness, heat or cold.

Every green house man has experienced difficulty in using putty for glazing, that is satisfactory for any length of time. Putty is not adapted for greenhouse work. "Mastica," when applied, in a few hours forms a skin or film on the entire mass, hermetically sealing the substance, and preventing the evaporation of the liquids, and remains in a soft, pliable and elastic condition for years. "Mastica" is of great value in going over old houses with a putty bulb or machine on the outside of sash, as it makes it perfectly tight and saves the expense of re-laying the glass.

The use of "Mastica" avoids the necessity of repeatedly reglazing the houses, saving much time and expense. With "Mastica" you can bed in or use outside with machine.

Broken glass can be easily removed and replaced by new without the breakage of other glass, which usually occurs with hard putty. One gallon will cover about 290 running feet (one side.)

Price of Mastica  $\frac{1}{2}$  gal. 65c., gal. \$1.25. We are Sole Agents for Central New York.



MASTICA  
GLAZING  
MACHINE.

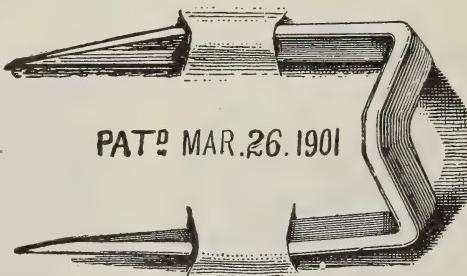
**PRICE \$1.25.**

THERE ARE OTHERS

BUT NONE LIKE

THE PEERLESS  
GLAZING POINT

A new name and a  
new point.

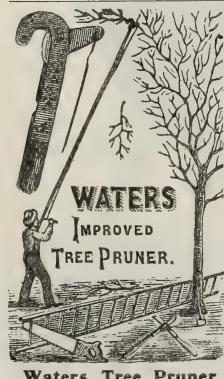


A FEW of its  
Good Points.

No raising up when driven. No Rights. No Lefts. No Sliding. No Trouble to apply.

Cheap. Indestructible. Once used, always used. Try them once

PRICE 60c per 1000



Waters Tree Pruner  
75c to \$2.00

## Climax Handy Weeder



The greatest "little" de-  
vice ever invented.

Nothing like it.

Thousands in use.

**PRICE. 75 CENTS**

## OUR F. G. F. PRUNING SAW.



This is a very practical Pruning Saw, and is recommended by the Nurseries and Horticultural Societies everywhere. It is a self-feeding draw cut blade with a thin back that will not pinch or bind; may be attached to a pole, permitting very rapid work. It will do three times the work of hand saws or shear trimmers. It has no equal for cutting out suckers and for trimming the outside and tops of trees so difficult to reach. No stubs are left. It covers all the features required for an up-to-date labor-saving tool.

**Price \$2.00.**

F. H. EBELING, SEEDS AND HARDWARE  
MILKMEN AND DAIRY SUPPLIES.

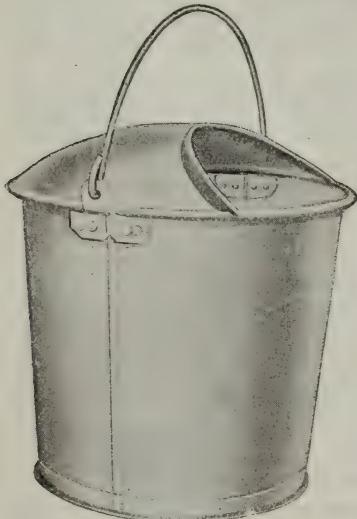
47

MILK CANS—ALL SIZES.—PEDDLING CANS IN 20, 30, 40, 50 AND 60 QUART SIZES.

~~at~~ Milk Bottles and Milk Caps always in Stock.

Quart Milk Bottles	70 cents per doz.	Quart Dippers	- - -	.35 to .50
Pint "	60 " " "	Strainers	- - - -	.50 to 2.00
Half pint "	50 " " "	Tin Milk Pans, per doz	1.50 to 3.00	
Milk Caps - - -	25 " " 1000	Tin Milk Pails, all sizes	.30 to .75	
Carrying Cans, all sizes	\$ .50 to 2.25	Sprinkling Pots, "	.25 to 1.25	
Dairy Cans "	5.00 to 6.50	Excelsior Strainers - -	2.50	
Wholesale Cans "	.40 cents	"Our Own" Strainers -	2.00	
Strainer Pails "	.65 to .75	Aerators - - - -	5.00 to 7.00	
Pint Dippers - - -	.25 to .45			

LISK'S SANITARY PAIL



This Sanitary Pail combines nearly all of the good points that are contained in the many kinds put on the market in recent years, and is highly recommended by the Boards of Health and the State Milk Inspectors. A trial will convince. Price, \$1.75.

MILK FEVER OUTFIT.

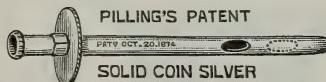
For Sterilized Air Treatment.

This treatment has cured 97 per cent. of all cases treated.

This treatment is recommended by the Bureau of Animal Industry, United States Government, Department of Agriculture.

The outfit consists of the instrument, a roll of tape, a package of carbolized cotton. Full directions, neatly packed. Price, \$8.00 net.

MILKING TUBES.



Full Directions with Each Tube. 35 cents to \$1.25 each.

SCALES.

Platform Scales ..... \$12.00

RICE'S CALF WEANER AND SUCKING COW MUZZLE.

For preventing Calves and Cows sucking themselves or each other.

No. 1—For Calves till 1 year old, 25c, by mail postpaid 35c

No. 2—From 1 to 2 years old, 50c, by mail postpaid 56c

No. 3—For full grown animals and self suckers, 75c, by mail postpaid 85c

BARREL CHURNs.

No. 0,—	4 gallon, will churn,	2 gallons	\$3.50
No. 1,—	10 "	5 "	4.50
No. 2,—	15 "	8 "	5.00
No. 3,—	20 "	10 "	5.50
No. 4,—	25 "	12 "	7.00
No. 5,—	30 "	14 "	8.00

Oak Dash Churns, Stone Dash Churns, Dog Powers, Butter Workers, Skimmers, Butter Carriers, Ladles, Richardson's Butter Color, Butter Prints, Floating Glass Thermometers, Dairy Thermometers, Cream Gauges, Babcock Butter Tester.

MILK BOTTLES.

1 quart, 70 cents per doz.

1 pint 60 " " "

1-2" 50 " " "

MILK CAPS.

Per thousand, 25 cents.



## F. H. EBELING, SEEDS AND HARDWARE

## UNITED STATES SEPARATORS

To enlarge your income from your dairy means that you must get the greatest possible profit from the milk—that you save time and labor and money by installing modern equipment, such as the United States Cream Separator.

This Separator was the first, and is now the only entirely successful Separator that distributes the incoming volume of whole milk evenly at the circumference of the bowl and far beyond the cream zone.

It gets more cream from your milk than any other device on the market.

It stands for the closest skimming by preventing all conflict of currents and no remixing of the cream and skimmilk.

Bear in mind that the skimming principles are the same in all U. S. Separators. The improvements made in the Interlocking Bowl greatly intensify the centrifugal action on the milk. This action takes place in smaller space thus making the skimming device more compact.

In the Interlocking U. S. the skimming device is of still greater intensity. The centrifugal stress forces the heavier portions of the milk to the outside of the bowl and the lighter portion, which is the cream, is forced through the center of the winding course through many small channels. The cream travels a longer distance than in the Junior Style.

In making your comparison of Separators, remember that the cream is more thoroughly separated if the length of the flow and the intensity of the centrifugal force is increased. These features account for the extraordinary success of our Interlocking Style Separator. Again, bear in mind that the greater the intensity the smaller the bowl may be, and this means an easier running machine.

## LATEST INTERLOCKING STYLE.

No. 18,	guaranteed capacity	350 lbs., -	\$ 65.00
No. 17,	"	450 "	75.00
No. 16,	"	600 "	85.00
No. 15,	"	750 "	95.00
No. 14,	"	1000 "	110.00
No. 12,	"	1350 "	160.00

## Power Attachments for Dairy Sizes.

Clutch Pulley 14 in. diam., 3 in. face, for Crank Shaft,	\$ 3.50
With additional Loose Pulley, extra, . . . . .	3.00
Pulleys 12 in. diam. can be supplied if desired at same prices	
Separators fitted with Ratchet and Loose Pulleys 3 in. diam., 1 1-4 in. face, with Belt Shifter, for Worm Gear Shaft, (when ordered with separator), additional price, . . . . .	\$ 6.00
The same in 6 in. diam. Pulleys, additional price, . . . . .	7.00
3 in. or 6 in. Pulleys with necessary attachments (when not ordered with separator.) Prices on application	
Self Governing Pulleys, each, . . . . .	\$10.00
For Engine or Line Shaft (give size of shaft).	



## CHAMPION MILK COOLER AERATOR

Automatic, Simple, Efficient, Durable.



1	10 quarts	1 to 10 cows	2 milkers	\$5.00
2	18 "	10 to 25 "	3 "	6.00
3	34 "	25 to 50 "	5 "	7.00
4	52 "	50 to 100 "	8 "	10.00

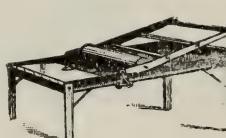
Extra sizes on special orders.

Prices include double cheese cloth strainer and spring pins.

## Eureka Butter Printer.

Self-gauging.

Per pound or half pound.	
No. 1.....	\$4.50
No. 2.....	3.50



## EUREKA BUTTER WORKER.

No. 1, 8 to 12 lbs	\$ 6.00
No. 2, 10 to 20 lbs	8.00
No. 3, 25 to 40 lbs	10.00
No. 4, 40 to 60 lbs	12.00

# Black Hawk Corn Planter

This is the very latest addition to the justly celebrated line of Black Hawk Planters.

## It Plants Two Rows at a Time

This planter is so simple that it is almost an impossibility for it to get "out of fix". It is the easiest machine to adjust you ever saw.

Did you ever notice that kernels of corn, while varying greatly in size, are just about uniform in thickness. This is the principle of the Black Hawk Corn Planter—the drop works on the "edge selection" principle. This drop principle is the most accurate of any yet conceived. The valve mechanism is entirely enclosed within the shank so it cannot be affected by corn stalks or other trash. No matter how fast you drive the team the corn is forced out of the heel in perfect check, and there can be no clogging. Whether for hilling or drilling it's always ready—no change of valves and no

change of plates for the distance you will use. The foot drop is always ready and its position is just where you would put it if you made a corn planter. While the front and back frames are extremely rigid, there is a spring connection between the two which allows the planter to follow the unequal surfaces of ground.

**Complete, with Fertilizer Attachment**

**Price \$55.00**

MOLINE, June 22, 1911.

Copy of actual test of accuracy of drop between the International Harvester Co. Planter, Deere & Mansur Co. No. 99 adjustable plate, and the Black Hawk No. 15 adjustable plate.

This test was made with each planter conditions alike. Corn was thoroughly sorted the same in each Planter. Each Planter put in 500 hills.

International Harvester Co.'s Planter.

500 hills—1489 kernels—with 6 cracked kernels.

Deere Mansur No. 99 Planter.

500 hills—1460 kernels—with 6 cracked kernels.

Black Hawk Planter No. 15 Variable Drop.

500 hills—1689 kernels—with 8 cracked kernels.

Black Hawk Planter, with Regular Plates.

500 hills—1506 kernels—with no cracked kernels.

## DRAIN TILE.

Following sizes always on hand. Length about 14 in.



### THE AMERICAN STANDARD HAND CORN PLANTER

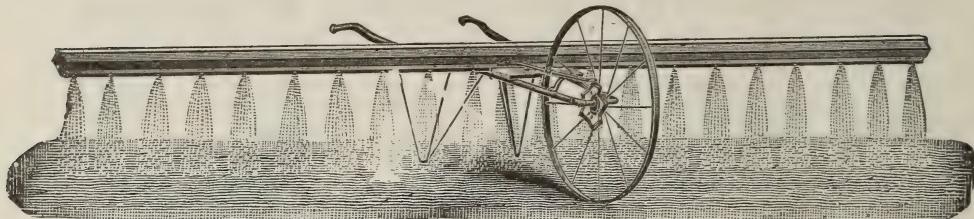
This is a great favorite with up-to-date farmers. It is quickly adjusted for light or heavy seeding and rotates very similar to the disc in a Horse Planter. This is a Corn Planter that you can rely upon at all times.

**Price, only \$1.50**

		Weight Each.	Per M.
2	inch Rise, Sole T.	3 lbs	.50
2	1-2 "	4 "	16.50
3	" "	5 "	22.00
4	" "	7 "	38.50
5	" "	9 "	55.00
6	" "	12 "	77.00
3	1-2 Horse Shoe Tile	4 lbs	16.50
4	" "	5 "	22.00
5	" "	6 "	38.00
6	" "	8 "	44.00

Special prices on carload lots direct from factory which being located at Chittenango, N. Y. on the lines of the N. Y. C. & H. R. R., the West Shore R. R. and Erie Canal, gives us exceptional shipping facilities.

F. H. EBELING, SEEDS AND HARDWARE  
WHEELBARROW SEEDERS.



**WITH WOOD OR IRON FRAME.**  
They can be worked by anyone who can run a wheelbarrow,  
Price, 14-foot, \$6.00; 16-foot, \$7.00.

**THE LITTLE GIANT SEED SOWER.**

This is the cheapest Crank Seeder on the market, and equal to the best for quality of work it does and durability. Don't pay \$5.00 for a seeder when you can get its equal for less money.

Will sow Wheat, Oats, Rice, Flax, Millet, Turnip Seed, Clover Seed, Grass Seed, including Light grasses; in fact any kind of Seed broadcast. Also Plaster, Fertilizer, Salt, Ashes, etc.

They save one-third seed and two-thirds labor.

<b>CRANK SEEDERS</b>	-	-	-	<b>\$2.00</b>
<b>FIDDLE SEEDERS</b>	-	-	-	<b>\$1.50</b>

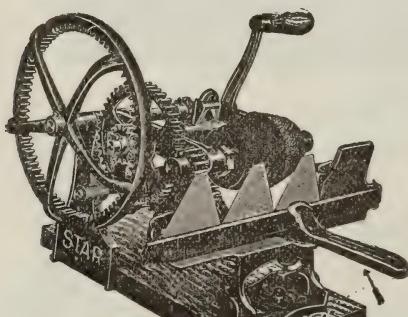


**THE "REX" RIVETER.**



**THE BEST.**

The cheapest, most durable and the most Practical Riveting Machine on the market.  
Price 50c and 85c.

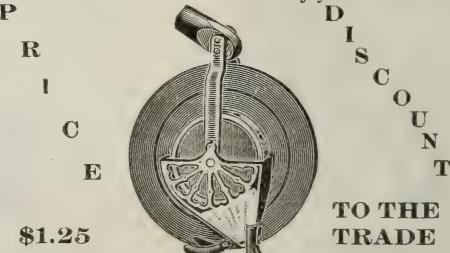


**STAR SICKLE GRINDER, \$5.00**

**Eureka Kitchen Garden and Hot Bed Seed Drill**

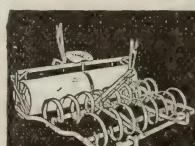
It will sow and cover Beets, Cabbage, Carrots, Celery, Lettuce, Onions, Radishes, Spinach, Turnips, and all such seeds with the greatest regularity. Force Feed. It is only intended for small Gardens and Hot Houses.

Sows up close to the sides in straight rows. Sows the small packet of seed as well as a larger bulk. This Drill is not a toy, but a strong, practical machine that will last many years.



**\$1.25**

**TO THE TRADE**



Imboden's Harrow on free trial, without money in advance. Return at our expense if it does not please you. Fixtures to use Harrow and Roller separate and to make a riding cultivator. Guaranteed combined to give 50 per cent, better and nicer seed bed in half the time. Field looks like a garden, no foot prints are left. Can see check marks easier. Saves 1 team and no heavier draft. A boy can do the work and ride. Hundreds of them in use since 1900. Just ask for reports, description, price and terms.

Sold by F. H. EBELING.

Price \$38.00.

# THE IMPROVED THREE-ROW CORN MARKER



This cut shows our Steel Wing Marker. The runners are long, which enables it to make true and even mark. It is adjustable to mark any width row and any depth desired.

Two-Row Marker for one horse, \$7.00. Three-Row Marker for two horses, \$8.50.

## FARMERS' COMBINATION CLAMP AND DRILL.



\$2.25 with Diamond Point Drills.

\$3.00 with Syracuse Twist Drills.

The lowest priced first class article of its kind on the market. Can be used as a wood clamp, also a bench vice, or hand drill.

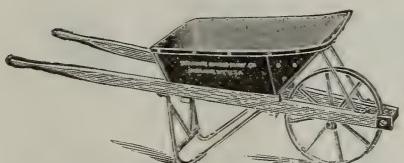
Extra Drills 10c each.

Extra Drills 25c each.

## THE BEMIS PLANTER.

Sets all kinds of plants like cabbage, tobacco, etc. The success of plant setting is assured by its use. The most successful planter on the market. Made near by, and all parts supplied on a few hours' notice. **Price \$65.00.**

## Steel Tray Barrow



The framework of this barrow is bolted together and is fitted with a steel tray and patent wood wheel with iron hub, specially adapted for stable work.

**Panama, \$3.50.**

**Deep Steel Tray, No. 1, \$4.50.**

We also offer **The Common Wood or Paddy Barrow**, with iron or wood wheels, price, **\$2.25.**

## The Prout Hoe

This very practical tool is so well known that no description is necessary. It is a furrower, a coverer and a hillier combined. So simple, so handy, practical and good that you wonder why you did not own one before.

**Price \$20.00.**

## Chatham Fanning Mills

I offer this high grade Fanning Mill which will better meet the requirements of our farmers than those usually sold in this market. The easy and rapid work with bagging attachment commends itself. These mills come with a full set of sieves, suitable for all grain as well as grass seeds. Cleaning and grading them in a thoroughly superior manner. Price complete, \$30.00.

A writer says that his place was overrun with rats until he hung peppermint about the premises, which drove them away at once. The remedy is a simple one and well worth a trial.

## ENSILAGE FORKS.

The ensilage fork we offer is the best and most popular fork ev'r put on the market and fills a long felt want for a light, strong fork to handle ensilage, fine manure, etc. Price, \$1.40

# Dutton Steel and Chilled Plows

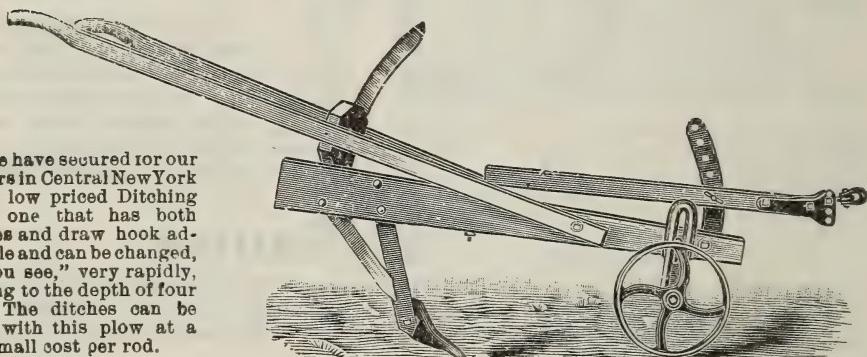


**THE BEST  
LOW PRICED  
PLOW  
ON THE  
MARKET.**

**DUTTON IRON BEAM NO. 2, \$10.00**

**" STEEL " " 12.00**

## DITCHING PLOW. PRICE \$10.00

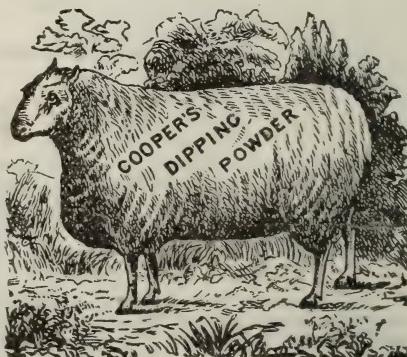


We have secured for our farmers in Central New York a very low priced Ditching Plow, one that has both handles and draw hook adjustable and can be changed, "as you see," very rapidly, plowing to the depth of four feet. The ditches can be made with this plow at a very small cost per rod.

### COOPER'S SHEEP DIPPING POWDERS

The finest in America, used by all ranchmen in the West, sure cure for scabs and ticks. We could show you a list of testimonials a yard long if necessary, but those we have from firms so well-known among sheepmen will be all that is required to convince you we have the best. Sold at factory price. Small packages will make 25 gallons, large packages 100 gallons, ready for use. An unprecedented demand has set in all over the United States for our celebrated Sheep Dip, consequent upon the favorable verdict of sheepmen who have used it. Other preparations are being relinquished, as "COOPER" is found far superior in every way.

**Price 50c and \$2.00**

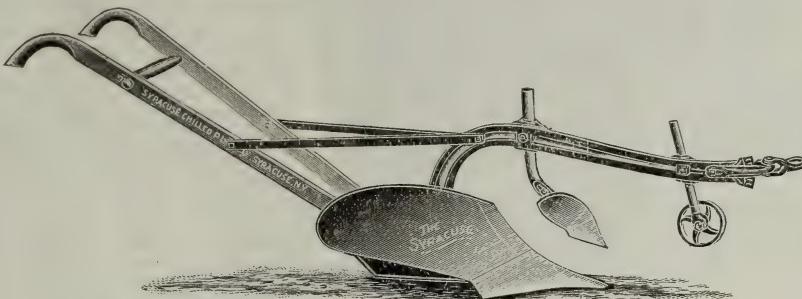


**TRUCKS** For moving barrels, bags, ash cans, etc. Can be used also as a bag holder. Saves time of one man when filling bags with grain, etc. Very handy.

F. H. EBELING, SEEDS AND HARDWARE  
SYRACUSE CHILLED PLOWS.

53

These Plows are so well known that no word of introduction is necessary. We are pleased to offer their full line to our farmers at the usual prices.



**SYRACUSE STEEL BEAM CHILLED PLOW.**

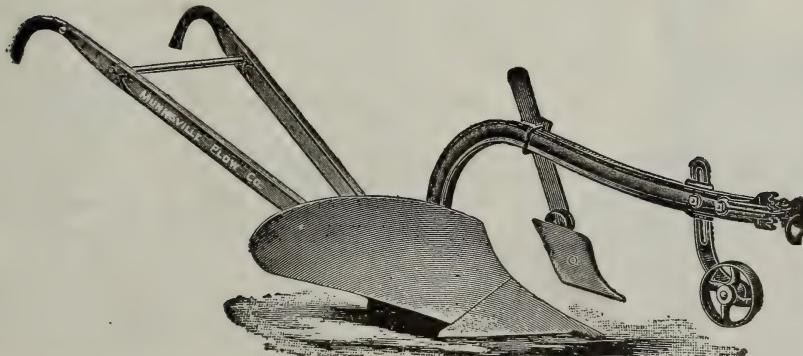
Made in three sizes, No. 401, No. 402 and No. 403.

Chilled Wearing Parts, Light, Strong, Durable.

No. 403—Light Two-Horse, furrow 4 to 6 in. deep, 9 to 12 in. wide, . . . . .	\$12 50
No. 402—Medium Two-Horse, furrow 5 to 7 in. deep, 11 to 14 in. wide, . . . . .	14 50
No. 401—Large Two-Horse, furrow 5 to 8 in. deep, 12 to 15 in. wide, . . . . .	18 00
No. 31— " " " " "	14 50
No. 32— " " " " "	14 00
No. 61— " " " " "	14 00
No. 62— " " " " "	14 00
No. 31-39—Reversible Sulky, 3-horse hitch, . . . . .	55 00

## MUNNSVILLE PLOWS.

No. 10, STEEL BEAM PLOW—"The Big Seller."



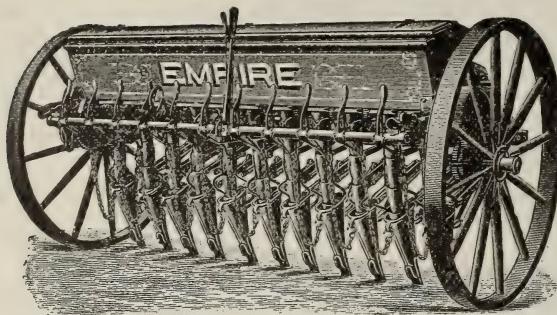
This Plow is long on the run with a high Mouldboard, of a shape that insures easy draft, good cleaning qualities and pleasing appearance. **Price \$14.50.**

### ONEIDA VALLEY CLIPPER No. 2½.

A light one horse cast steel plow, adapted to plowing out corn, hops and nurseries. Can be gauged so as to plow to and from the rows.

**Price, \$11.50 Plain. No. 2 1-2 Chilled \$11.00.**

**THE MUNNSVILLE PLOW SULKY WITH RIDING ATTACHMENT**  
**With Plow Complete, \$28.00. Riding Attachment Only, \$15.00.**



## Empire Drill

The oldest farmer who reads this reference book of time-savers and labor-savers, cannot remember when the Empire Drill was not looked upon as the most reliable. It has kept pace with modern life and as soon as a real practical improvement has been invented it has first been annexed to the Empire Drill. The Empire sows perfectly all kinds of grass seeds and grains and the fertilizer attachment from any viewpoint cannot be equalled by any other on the market.

Given a safe team, any youngster can drill with the Empire because a mere touch on the levers will raise or lower the disks.

The action is always quick and positive. No grain is spilled, because as soon as a lifting lever is moved the seed cups stop sowing. The action of the springs prevents any jerk or jar on man or team.

The levers are constructed of wrought and malleable iron so there is small chance of breakage and wear. All frames are of flat steel and bent round corners, strongly braced and trussed.

Measure in weight is the principle upon which the Empire Internal Feed Runs are built. A bushel is a bushel in bulk, but the size of the seed must be considered, and so these cups have two sizes—one for sowing small seeds and another for larger seeds. Every turn of the feed wheels carries out a certain bulk of grain and one bolt tightens the cups.

The Empire Junior Open Delivery Single Disks are adapted to all soils where heavy pressure is demanded; crusts to be broken, stubble to be drilled or clay to be turned over. They even do satisfactory work in mud. The tapering journal and removable sleeve or thimble are chilled hard and smooth as glass.

Broadcasting commercial fertilizer and lime in large quantities is often very necessary, and then you need a reliable accurate and durable machine. The Empire is fitted with an accurate force feed of the Mark's type. The cups and scattering spouts are of galvanized iron. The construction gives the driver a high seat and the sides being almost straight prevent bridging of fertilizer or lime over the feed cups.

The remainder of this Catalogue could be devoted to the exclusive features of the Empire Drills, but it may be enough to tell you that for nearly 40 years we have sold these drills and now we positively guarantee every one to do its work successfully.

If you want a drill that will last for two generations and longer send for one of our free Catalogues.

**Price for 9-Tube Drill, \$75.00.**      **Price for 11-Tube Drill, \$85.00.**



### GOSHEN TANK HEATER

Save feed by supplying your cattle and hogs with warm water. Feed is just so much fuel to the animal economy. It takes lots of extra feed to take the chill off of the cold water animals drink. **Price \$4.00.**

Take Them All Away

IF I MUST WORK GIVE ME  
**ELLEN'S**  
**NEW DISCOVERY**

FOR MAN OR BEAST  
SURE HEALER and GALL CURE  
Price, 25c.

## HARDWARE.

We sell everything in Hardware, Paint, Glass, Putty, Nails, Cutlery, Shears, Razors, Knives, Carving Sets, Florists Supplies.

# Clark's Double Action Cutaway

The great problem of getting the best possible results from your crops of grain, corn, fruit and vegetables, is solved by the use of this Double Action Cutaway. It converts woodland into orchards at slight cost. It swells bank accounts and lifts mortgages by lifting the soil—turning, twisting, breaking and aerating and by letting in the air and sunshine.

## IT KILLS QUACK.

The Double Action Harrow does between two and three times as much work as any single action harrow—whether solid or cut up; it makes and keeps the land true all the time. The draft of the double action is very little, if any more, than the draft of the solid disc harrow and it does at least three times as much work—and better. The reason for this is found in the principle that one set of discs follows centrally behind the other and that there is only about one-half as much tramping of teams in doing the work. As soon as the first gang of discs lifts the ground the second gang strikes and follows centrally, cutting and leaving the soil deeper than the first set. It is the only disc harrow that completely levels the ground; all single action disc harrows ridge the ground more or less, no matter how careful the driver. Every harrow is fitted with a jointed pole.

Remember that all Clark's Grass Tools are ready for you whenever the frost is out of the ground. This applies especially to our **Double Action Cutaway Harrow** and **Clark's 26, Reversible Cutaway Sulky Disc Plow**.

A-4 Cutaway .....	\$33.00	A-6 Cutaway .....	\$40.00
A-5 Cutaway .....	35.00	Reversible Sulky Disc Plow .....	35.00

R. F. D. No. 8, Oswego, N. Y.

"I have used Clark's Double Action Cutaway for the last six years and cannot do without it. It is the only one that will tear to pieces and thoroughly mix manure into soil. It feeds the land perfectly. It turns, mixes and aerates the soil so thoroughly that the chemical action of the plant food begins at once, providing the growing plant an abundance of food."

C. E. WOODWORTH.

## Combined Cultivator and Harrow

This machine is built to be used equally well as a harrow, a disk cultivator or as a listing cultivator. Do not confuse it with the regular A-4 Double Action Harrow—as it is altogether different. This machine has a perfect center draft at all times which is furnished by a special hitch. The machine is handled by two light horses.

When you use this machine as a harrow it cuts  $4\frac{1}{2}$  feet wide; as a cultivator it will cultivate crops up to 20 inches high in rows  $3\frac{1}{2}$  ft. or more apart. The gangs may be set up to 17 inches apart. As a cultivator it may quickly and easily be adjusted to throw dirt toward the plants or to leave the dirt where it is.

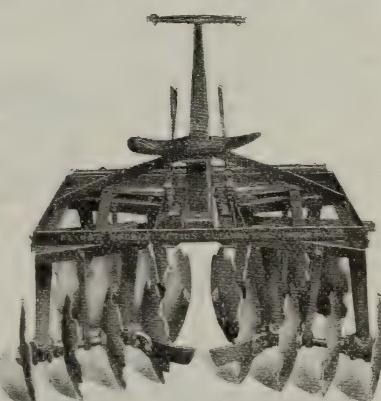
This Double Action Cutaway is regularly fitted with jointed pole and two horse hitch. has sixteen 16-inch disks. The two large disks for listing are extra. This machine weighs, ready to ship, 438 pounds.

Cutaway Harrow Co., Higganum, Conn.

Gentlemen:—I have used the "Cutaway" Harrow for the last 11 years on all my crops. My great specialty is hay for market.

The acre of corn which yielded 127 bushels of shelled corn and which won the \$500 Bowker's Grand Prize at New England Corn Exposition, was worked with a "Cutaway."

Wishing you continued success, I am, Yours very truly, PERLEY E. DAVIS.



Granby, Mass., Nov. 21, 1910.

# The Keystone Adjustable Flat-Tooth Weeder

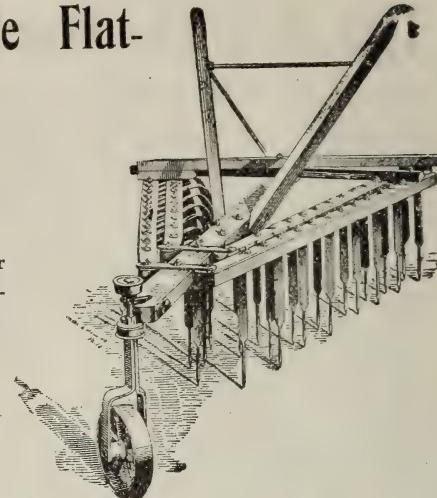
(The Keystone Adjustable Flat-Tooth Weeder narrowed to 30 inches.)

This is the most useful and practical Weeder of the many Weeders on the market. Every gardener and farmer should have one.

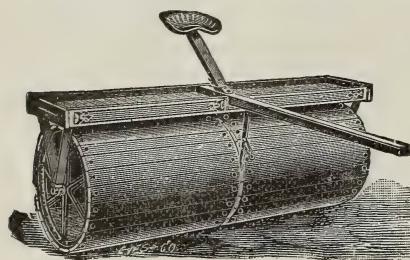
**Weight, . . . . . 97 pounds**

**Price, . . . . . \$14.00**

Can be expanded to 7 1-2 feet if desired.



## LAND ROLLERS.



Oak Stave Roller, Two Sections \$22.00

Steel Roller, 26 inch, Two Sections, with closed ends, \$28.00

Lawn and Garden Roller \$8.00 to \$12.00

These Rollers are made of the best material and made near home. All parts can be easily supplied.

## ACME PULVERIZING HARROW, CLOD CRUSHER AND LEVELER

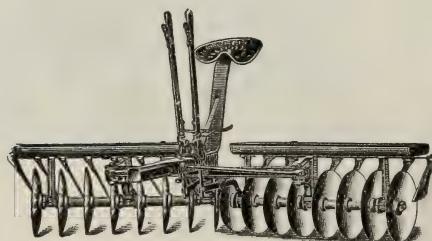
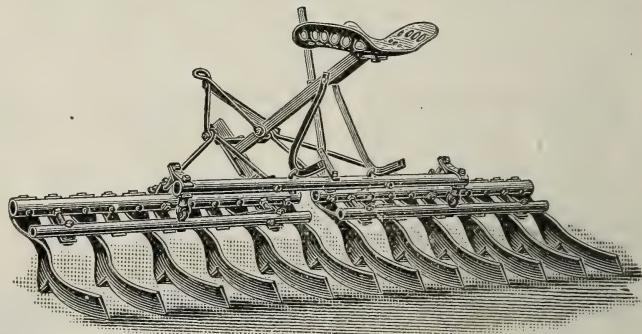
Lightest Riding Harrow sold anywhere. Low in price, light in draft, most easily handled. Made entirely of steel and iron and indestructable.

CUTS, CRUSHES TURNS, SMOOTHES AND LEVELS, all in ONE OPERATION.

6 ft. 6 in. Two Horse Size.

You need one on your farm,

**PRICE, \$16.00.**



## NEW YORK DISK HARROW

The Great Labor Saver.

Every Farmer Should Have One.

**Price, = = = \$20.00 to \$25.00**

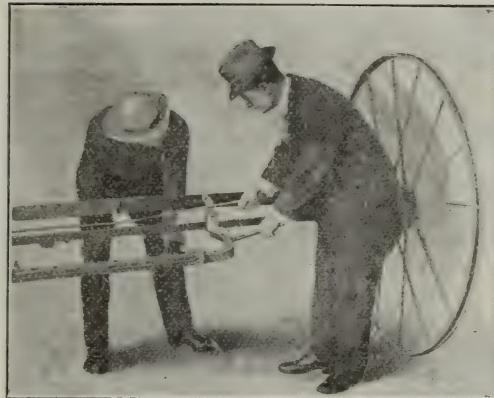
# The Reliable Osborne Farm Machinery

**Osborne Machines** have been used so long by so many up-to-date farmers and have given such satisfactory service that it is unnecessary to call attention to the fact that the number of farmers who are using them is increasing every year.

You probably realize that farmers who use Osborne Tillage Implements in preparing their seed beds and Osborne Machines for harvesting their crops always reap more than the ordinary crop because these tools are made to enable the farmer to prepare his seed beds in the best possible manner and to give him the pleasure of harvesting a bumper crop.

This excellent line of farm machinery that we offer you is made in Auburn, N. Y. The fact that the seat of manufacture is in Central New York makes the line even more favorable to the far-

mer. A large and complete line of castings and extras are carried in stock at our warehouse and we are in a position to fill all orders promptly.



A Strong Construction.

**Mowers, Reapers, Hay Loaders, One-Horse Cultivators  
Corn Harvesters, Horse Rakes, Lumber Wagons,  
Trucks, Tedders, Disk Harrows, Side Delivery Rakes,  
Sickle Grinders, Grain Reapers, Spring Tooth Harrows  
Peg Harrows, Hay Rakes, Kemp Manure Spreaders**

Our Osborne Binder gives the best service in all conditions of grain. It can be worked close to the ground and will take up tangled grain and bind it successfully. It's light weight, the levers are easy and it has every convenience to assist the operator. The wheels are fitted with roller bearings. The mechanism is so placed that the machine balances perfectly. There is neither neck weight nor side draft. This binder is made to withstand many times the strain it may encounter.

Our Osborne Reaper is an exceptional machine for use in places where a binder can not be operated successfully—for cutting clover for seed and many other purposes. The main frame is cast in one piece making a solid foundation to prevent the shafts from getting out of alignment and the pinion teeth from cutting. The seat folds over the main wheel close to the machine for driving through narrow gates or for storage. It is impossible for the straw to clog.

Our New Osborne Mower overcomes all difficulties common to grass-cutting machines. It is of great strength and light draft, easily handled, neat in appearance, faultless in operation, runs silently and is free from vibration.

Our New Osborne Vertical Lift Mower is of special advantage in mowing in fields where there are stones, stumps or other obstructions

of such a nature that it is necessary to raise the bar.

With our Osborne Rake Hay Loader, one man can do the work of driving and loading. No matter how heavy the hay is piled on the back of the rack, the loader will not pull it off.

Our Osborne Hay Rake was the first all-steel hay rake made and has hosts of imitators. The teeth are fastened to the rake head by interchangeable clamps so that the teeth can be placed close together or wide apart as the operator desires. The check tooth prevents the hay from wrapping and rolling. The dumping rods are reversible and interchangeable giving four wearing surfaces.

Our Osborne Hay Tedder is light draft and strong enough to ted wet windrows. The power is furnished by both wheels. The channel in the tire protects the spoke heads.

Our Osborne Corn Binder will do first class work in short, tall, standing or tangled corn. The main and grain wheels are the same height. Side knives are adjustable.

Our Osborne Disk Harrow has long been the standard type. It does good work in hard ground. There are no castings on the corners to break.



### THE NEY

### CLIMAX OPEN THROAT CARRIER.

With this carrier, it is possible to fill the mow closer to the comb of the roof than with any other carrier on the market. The throat has an exceptionally large opening, and the simple locking mechanism is so arranged that the lifting head or pulley locks directly on the sides or frame of the carrier, not depending on separate dogs or locks to hold the load. It is constructed and operated without the use of springs, and engages projections upon lifting pulley in a line with axis of pulley. This permits the pulley to swing very near the track and enables the carrier to work under conditions where any other carrier would necessarily fail.

### CARBORUNDUM SCYTHE STONES

Do away with the grinding of a scythe altogether. They produce a clean, sharp edge and do it faster and easier than it could be done on the best grindstone ever made.

Carborundum Scythe Stones must not be classed with the ordinary scythe stones that you have been accustomed to. The old style stones are merely sand-stone and are of very little use. They simply RUB the edge into shape—Carborundum CUTS it—cuts it fast and clean and puts an edge on your scythe that will be a revelation to you. Price, 25c.

### THE STERLING HAY LOADER

#### A Labor Saving Wonder.

Insures your hay crop in rainy weather. Cuts the cost of labor one-half. Will pay for itself in one season.

**The Only Light Two-Horse Loader That Will Load Bunches and Heavy Windrows Without Damage to Loader.**

**Price, \$60.00.**

It is Absolutely Guaranteed.

### REVERSIBLE HAY CARRIERS. For either Steel or Wood Track.

Light and Durable. Runs either way on the track without changing.

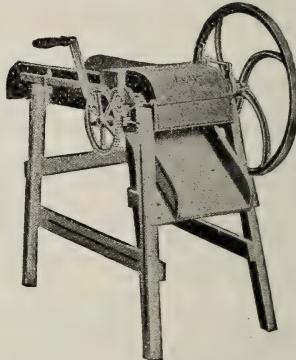
**Price, \$4.50.**

Ney Hay Car, steel or wood track,	\$4.50
Climax Car, open throat,	4.50
Diamond Car, wood track,	4.50
Double Harpoon Forks,	1.00
Double Harpoon Alfalfa Fork,	5.00
Steel Track per foot,	11
Pulleys in Wood and Iron, each,	25c to 75
Hanger Hooks, doz.,	75
Brackets, doz.,	50
Floor Hooks, each,	10
Tedder Teeth, each,	30
Horse Rake Teeth,	25
Rope, best Manilla, at lowest prices.	
All Steel Hay Tedder,	36.00
Adriance Steel Rake,	22.00 to 25.00
New Yorker Horse Rake,	20.00 to 24.00

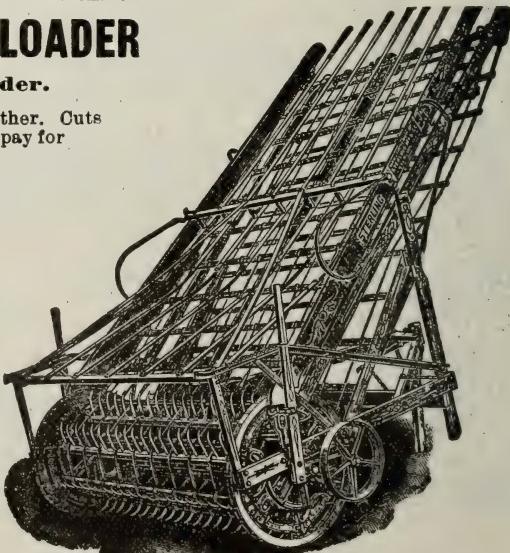
We carry Haying Tools of all kinds.

Also Teeth for all Rakes and Tedders.

### HAND POWER FEED CUTTER.

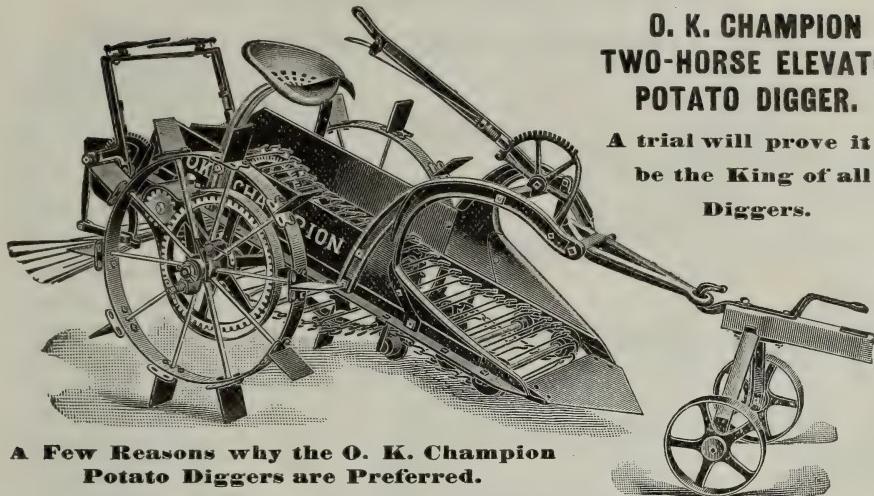


**Price, \$12.00.**



**O. K. CHAMPION  
TWO-HORSE ELEVATOR  
POTATO DIGGER.**

A trial will prove it to  
be the King of all  
Diggers.



**A Few Reasons why the O. K. Champion Potato Diggers are Preferred.**

**BECAUSE** They are strictly a Two-Horse Elevator Digger, two ordinary horses will do the work with ease.

**BECAUSE** It has an extra wide opening at the front, accomplished by using special constructed front throat side plates with inward extending lugs, to which the shovel blade is connected. The front throat side plates taper downward toward their front end, and are also flared outward at their upper edges, which edges are rolled backward to give a smooth, round surface; these flare outward at about midway between the throat and return to the vertical plane of the side plates. This will enable the ground to spread when entering the machine, thereby losing itself quickly through the apron. This construction will also allow the weeds or vines to slide up through the machine without catching on the side.

**BECAUSE** The apron is of a special design, made of special High Carbon Spring Steel, having alternate high and low links, which gives them the power to break the ground more quickly than the straight pattern.

**BECAUSE** It is absolutely the simplest in construction, having less parts than any other Elevator Digger.

**BECAUSE** The machine is guaranteed to do what is claimed for it.

**LAST BUT NOT LEAST** It is sold for a price at which any farmer can afford to own his own machine. I have sold to our farmers in this vicinity about 350 Champion Diggers and can refer you to hundreds of satisfied users of this wonderful Digger.

All broken parts free during the first season.

**Price \$65.00**

The No. 2 machine is constructed on exactly the same principles as the No. 1, which we have sold for many years, the only difference being that it is somewhat larger. The elevator is two inches wider and ten inches longer, other parts being built in proportion. The main beams of the No. 2 Digger are larger than those on the No. 1 machine and the main wheels are larger in order to accommodate the increased size. There is no other difference as the mechanism is exactly the same.

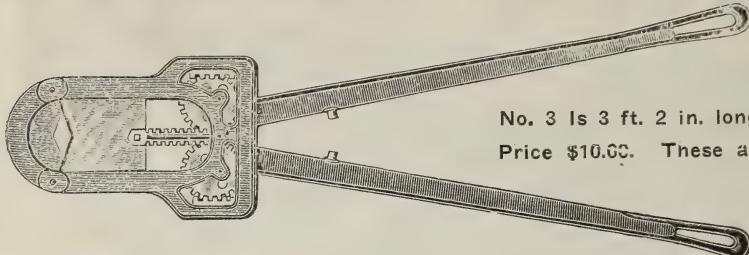
**Price, \$80.**

## O. K. Champion Digger No. 3

We herewith present the new O. K. Champion No. 3 Digger with Extension Elevator. There has been some call for a larger capacity digger in irrigated and heavy soil sections, therefore we have built our No. 3 Model. A description of the Machine is as follows:

**Width 22 inches** between sides equipped with our patented wide front throat side plates, allowing the dirt when it enters the machine to **spread to 26 inches**, breaking the ground and making quick separation at that point. The elevator apron is made of 3-8 round extra high carbon spring steel with the links alternately raised and lowered to facilitate the carrying and breaking of the dirt rapidly as possible, reducing the load and thereby the draft. The crucible steel shovel blade is 15 inches long and ground to scour in any kind of soil. The relation of shovel and elevator apron is such that the dirt will slide up from the shovel to the elevator with the least resistance. The main wheels are 35 inches high, made of steel with cast hubs and fitted with removable lugs; the gear wheel fitted over the hub of main wheel is 18 1-2 inches in diameter and drives both the elevator apron as well as the extension conveyor. The extension is the same width and has the same kind of elevator link apron as the main machine and is 2 feet 8 inches long. This assists materially in cleaning any remaining dirt from the tubers and allows them to fall on the ground in a nice row behind the machine. The extension may be adjusted up or down by the extension brace running from the seat post to the cross brace on the same. It is amply strong for any soil or condition of field; its capacity is ample, having over 15 square feet of separating space; its simplicess is one of its main features because it relieves the possibility of wear and breakage and reduces the repair expenses to almost nothing. Its power requirements are where conditions of soil and field are normal, two horses will do the work without difficulty. In extraordinary heavy soil or field conditions four horses can be used without any danger of pulling it to pieces and the consequent wait for repairs. **Price, \$90.00.**

## DR. LEAVITT'S DOUBLE POWER DEHORNING CLIPPERS.



No. 2 is 3 ft.  
long, weighs  
12 lbs. \$8.00

No. 3 is 3 ft. 2 in. long, weighs 15 lbs.

Price \$10.00. These are made with V  
blades .. or  
slant blades  
or bull style.

**KOW KURE** is a medicine especially designed for the cow and it is the only remedy known that entirely fits her case. It is carefully compounded of twelve drugs which may be divided into four sets; there is one set acting on the womb and other organs of generation; another set acting upon the stomach; another set on the blood, and the fourth on the kidneys and bladder.

WHAT IT DOES—Kow-Kure prevents abortion by aiding nature to give nourishment to the organs of the generation and strength to the muscles of the womb. We know of no other medicine that will do this. It cures barrenness and retained afterbirth in the same way. It improves appetite and aids digestion, thereby increasing the flow of milk. It enriches and vitalizes the blood, curing buncles and inflammation. It cures diseases of the kidneys and bladder. Kow-Kure is in every sense a medicine and in no sense a food. Fed to milch cows it improves their condition and increases milk and cream ten per cent. Cost about one cent per day per cow. Price 50c and \$1.00

### FARMER'S



### FAVORITE

### COOKERS

Complete as shown in cut.			
30 gallons	...22x24x13 1 2	24 Inches	\$11.00
40 "	...22x30x14	" 30	12.00
50 "	...22x36x15	" .86	18.00
75 "	...22x48x17	" .48	15.00

The Farmers' Favorite is used for a great variety of purposes, such as cooking grain and vegetables for stock and poultry. Heating water for scalding hogs and poultry. Boiling spraying mixture. Heating water on wash day. Heating water for washing dairy utensils. Rendering lard and tallow. Boiling sorghum.

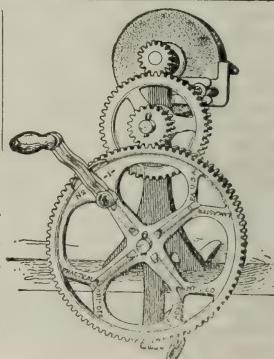
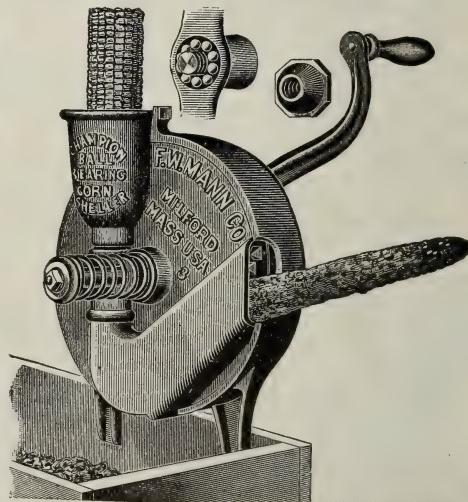
Heating drinking water for stock. Syruping down. Boiling cider. Preserving and evaporating fruit. Sugaring off. Boiling sap. In addition to the above, by using a top plate in place of the boiler it converts the cooker into a first-class stove for warming a milk room, hog house, poultry house, cellar or shop. Can you think of any other farm implement that can be used for so great a variety of purposes? The farm equipment is incomplete without one of these cookers.

### EMORY GRINDSTONE WHEELS.

After numerous tests, comparing Alundum grain with other abrasive grains, including the Diamond, Alundum is found to exceed 9 1-2 inches in scale of hardness, where the diamond is 10. All spindles are cold-rolled steel. Best cast iron used for frames and gear wheels—positively no scrap iron. It will last a lifetime. No belts to break and no chains connecting gear wheels to buckle. No water required on grinding wheel and positively will not draw temper of the finest steel. Price \$1.75, \$2.50, \$5.00.

### THE IRON KING CORN SHELLER

Has no equal. It is the best and cheapest Sheller on the market. Price, \$1.00.



**DANA'S STOCK LABELS****For Cattle, Sheep, Hogs, Etc.**

Cattle Labels, . . . . . 75c dozen, \$4.00 per 100

Sheep and Hog Labels, 50c doz., \$2.50 per 100

Punches for Cattle, . . . . . \$1.50 each

" " Calves, . . . . . 1.25 each

" " Sheep and Hogs, . . . . . 1.00 each

Bull Nose Punch, . . . . . 1.25 each

The above mailed you upon receipt of price named.

**HAND AND POWER ROOT CUTTER.**

Has a capacity of 30 to 100 bushels per hour. One bushel per minute has been cut as a test, many times.

It saves the price of a cow, as they cannot choke when fed on roots cut by this machine.

Price, **\$9.00** to **\$14.00**.

**Hog Rings**

10 Cents

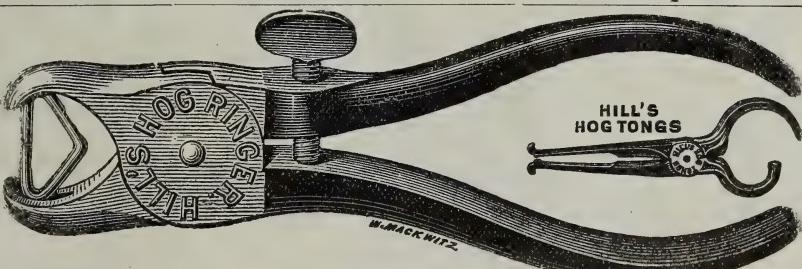
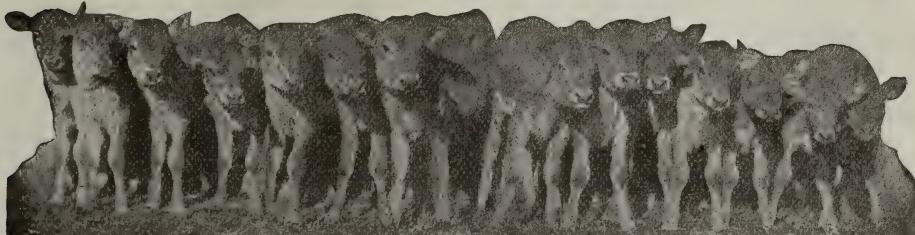
Per Box.

**Hog****Ringer**

25 Cents

**Hog Tongs**

50 Cents

**BLATCHFORD'S CALF MEAL.**

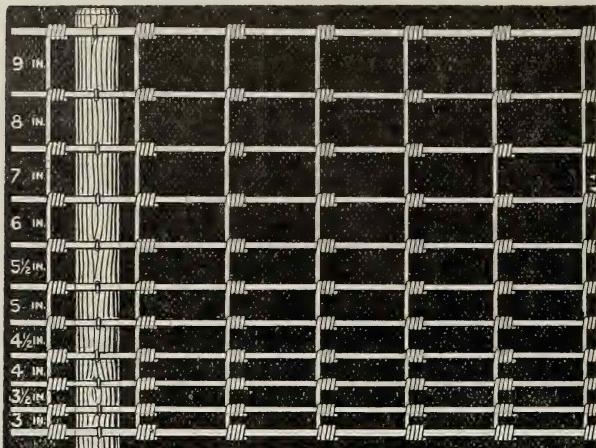
The perfect Milk Substitute for raising calves. One hundred pounds of it makes 100 gallons of Rich Nutritious Gruel. It is now a well recognized fact that one of the most successful aids to profitable farming is using a good Milk Substitute for raising calves. It is absolutely the only Milk Substitute that contains all the elements necessary for bodily growth in approximately the proper proportion. It pushes pigs, colts, etc., forward better and quicker than any other food.

Average analysis of Blatchford's Calf Meal from a number of analyses taken at various times:

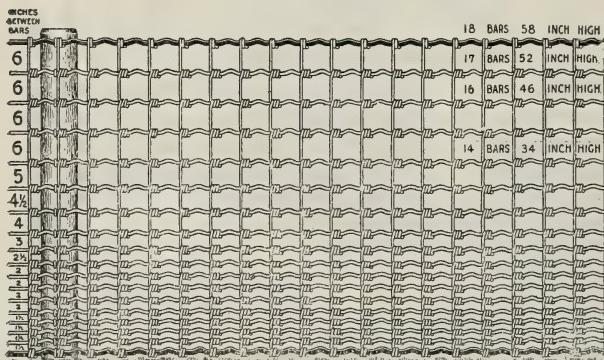
PROTEIN, 25 per cent.      FAT, 5 per cent.

**Prices:** 100 pound bag, \$8.50.      50 pound bag, \$2.00.      25 pound bag, \$1.00.

# "AMERICAN" SHEEP, HOG AND CATTLE FENCING



the American Field and Hog Fencing. Every farmer should own this Stretcher. It costs only \$5.



This is a fence that fences and stays fenced. It stands for freedom from worry. With this fence you can rest easy and need fear no danger of your stock breaking out.

In this fencing we have every form of offences for sheep, hogs and cattle. It's made in two weights, medium and heavy.

Here's an especially interesting feature about this fencing—it's not only one of the best made but the cost is very small. The price was never so low as now. We have three cars in stock of the leading sizes. Ask or write for booklet.

The Lott Fence Stretcher is the only tool necessary for putting up this fence. It costs only \$5.

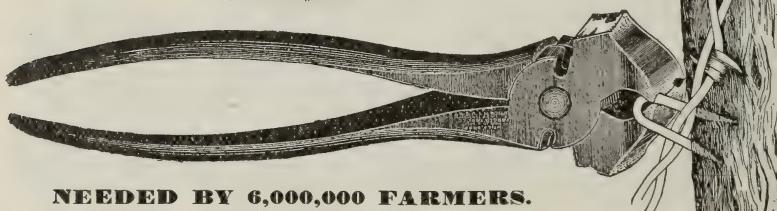
## ANOTHER WONDERFUL FENCE.

There's no better fencing made for hogs, cattle, poultry or rabbits. It makes an ideal garden fencing. It's strong, thoroughly practical and more durable than netting. The light specifications are strong enough to turn stock.

This fencing comes in 8 to 15 bars, either in 6 or 12 inch stays, 20 to 50 inches high, 25c. to 45c. per rod.

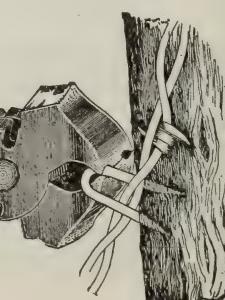
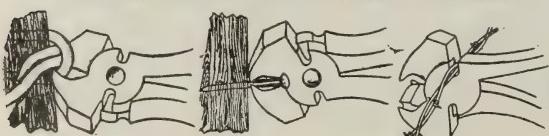
## A COMBINATION TOOL 7--SEVEN TOOLS IN ONE--7

Price \$1.00



NEEDED BY 6,000,000 FARMERS.

It takes the Place of Button Pliers.



Here's the handiest tool a farmer ever can own. Stop and think. It drives, pulls, makes and saves staples. It's a wrench and pincer, nail puller and hammer. It cuts, splices, straightens and tightens wire. It removes trellises. Saves time and wages; saves cutting hand; saves your temper, and it saves chasing cattle. You need one. Write now. It's only \$1.



A Big Success



### KEMP 20TH. CENTURY MANURE SPREADER.

The average farm produces only a limited supply of fertilizer and unless carefully handled it will not meet the demands of the soil. You know that one load of manure properly spread will give better results than two loads spread in the ordinary, old-fashioned way.

The Kemp 20th Century is a manure spreader that has all the good features of the old with many new and more practical improvements added. No farmer can find a word of fault with it. It is narrower, longer, lighter, lower, and more easily loaded than the old style. The shape permits it to pass through any ordinary gate or doorway. The truck is made entirely of steel. It will spread uniformly, no matter how heavy the load or whether the soil is level or rolling. A ten-year-old boy who can guide a team can operate a Kemp 20th Century.

Life is too short, health is too precious, time is too valuable and manure is too scarce to be wasted by the old method. If you are interested in better tillage and better fertilization and better farming you should investigate the exclusive features of the Kemp 20th Century Manure Spreader and ask for catalogue and price.

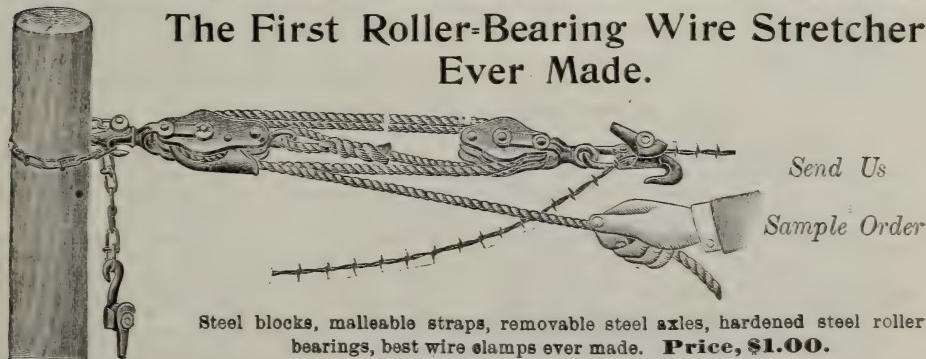
## Bargains in Tools and Implements

You are offered at an especially low price the following list of high class Tools and Implements. Every one is a genuine bargain, and can be seen at our warehouse.

- |  |                                       |
|--|---------------------------------------|
| 4 Steel, 2-section Rollers.                  | 1 Sterling Hay Loader.                |
| 2 second hand A. P. Mowers, 5 feet.          | 1 Sterling Side Delivery Rake.        |
| 1 second-hand A. P. Mower, 6 feet.           | 1 Surrey (Moyers.)                    |
| 1 Elmira Sulky Plow, 2-gang.                 | 1 Bristol Top Buggy.                  |
| 1 Steel Frame Perry Harrow.                  | 1 Depot Wagon.                        |
| 1 Imboden Roller and Harrow.                 | 1 Family Carriage.                    |
| 1 8 fork Peerless Tedder.                    | 50 gallon Blanchard Churn, Crank.     |
| 3 6-fork Peerless Tedders.                   | 1 Darnell Furrower and Marker.        |
| 1 Spading Harrow.                            | 1 Steel Frame Perry Harrow.           |
| 3 Wiard Weeders.                             | 1 Imboden Combined Harrow and Roller. |
| 3 Farm Trucks.                               | 3 6 Fork Peerless Tedders.            |
| 2 Black Hawk Corn Planters.                  | 1 8 Fork Tedder.                      |
| 1 Spring Tooth Harrow.                       | 1 Thompson Disk Harrow.               |
| 1 Prout Hoe.                                 | 1 Moline Adjustable Disk Harrow.      |
| 1 Cyclone Roller and Pulverizer, corrugated. |                                       |

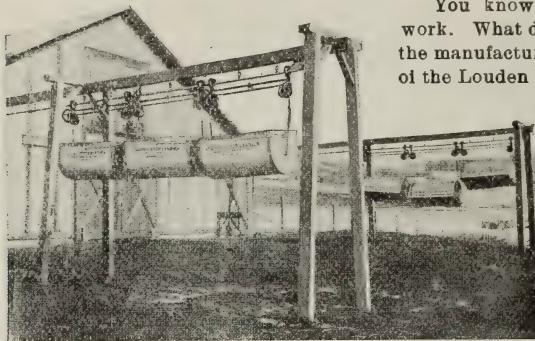
## STAR ROLLER-BEARING TACKLE BLOCK WIRE STRETCHER

The First Roller-Bearing Wire Stretcher  
Ever Made.



Steel blocks, malleable straps, removable steel axles, hardened steel roller bearings, best wire clamps ever made. Price, \$1.00.

## LOUDEN LITTER, FEED CARRIERS AND STABLE EQUIPMENT



The most valuable bi-product of the farm is manure. All soil experts agree that manure used wheel of the farm. All soil experts agree that manure used liquid is at least 50 per cent more valuable than the old manure. Are you saving that 50 per cent of your cash capital of soil fertility? You are not unless there is a Litter Carrier installed in your barn.

You cannot afford the old-fashioned wheelbarrow method with its waste of time and energy.

A clean barn means healthy cattle, more and better products. A Carrier places the litter in your wagon, or at any distance from your barn and this means a clean yard as well as a clean barn.

Any one of these reasons should be sufficient to induce any farmer or dairymen to equip his barn with the Louden Litter Carrier. It is not an expense. It buys itself over and over again.

The Louden was the second patent issued on Litter Carriers. Since then its manufacturers have studied and experimented constantly. Every undesirable feature of the Carrier has been discarded until to-day it is safe to say that the Louden Carriers are the very best from every viewpoint.

You know the value of experience in your own work. What do you think of 40 years of experience in the manufacture of barn equipment? This is the record of the Louden Machinery Company in the manufacture of Litter Carriers, Feed Carriers, Cow Stanchions, Cow Stalls, etc.

Every successful manufacturing house utilizes its bi-products. The up-to-date farmer is rapidly learning this lesson from his business brother. The farmer must use the same care to prevent losses as must the superintendent of a great railway system. Whether of labor or of material, waste always means loss.

The litter of the barn is the balance wheel of the farm. All soil experts agree that manure used fresh and containing its fine share of

### PRICE LIST.

#### Louden Litter Carrier and Parts.

Litter Carrier, . . . . .	\$25 00
Steel Track, per foot, . . . . .	18
Hangers, per dozen, . . . . .	1 50
Curves, each, . . . . .	2 00
Two-way Switch, . . . . .	5 00
Stop Block, each, . . . . .	20
Rafter Brackets, per dozen, . . . . .	60
Ridge Pole Brackets, per doz., . . . . .	85
Screw Eyes, per dozen, . . . . .	85
Splices, per dozen, . . . . .	50

Ask for 1912 Catalogue.

### A GUARANTEE THAT GAURANTEES.

We warrant our goods to be substantially made and to do good work when properly fitted up and operated. Any part proving defective will be made good free of charge. No goods will be taken back until we have had due opportunity to remedy defects. No claims for time, labor or blacksmithing, etc., will be allowed.

## THE NEW MODERN WATERING BASIN

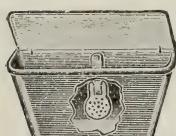


Fig. 410

The New Modern Watering Basin to a dairymen who has running water will find it profitable: as our watering device will furnish a cow fresh water at any time, therefore, increasing the flow of milk from 5 to 10 per cent. which is acknowledged by all dairymen, who have a watering device.

These basins are of cast iron, thoroughly coated, round corners, smooth bottom, and the inlet is on the back side of the basin which is tapped for a three-fourths inch pipe and is covered with a strainer which prevents the inlet from clogging. The strainer is hinged so that particles of chaff can be easily removed.

These basins are bolted to a hardwood board 4 or 6 inches wide the same length as the basin, and is included with every basin. The boards are to give the basin more strength and make it more rigid when installed, which means a great deal in keeping the manger dry and clean, as you cannot get a basin too solid. The improved water guards on inside keeps the water from slopping out.

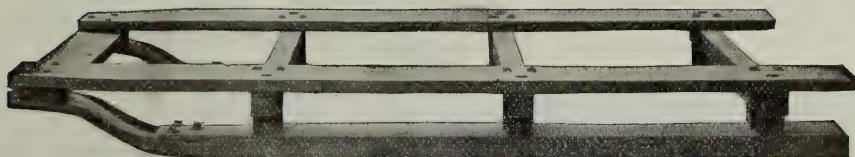
**Galvanized Iron Covers**--The Galvanized Iron Covers are practical and sanitary as the cover helps to keep the dirt out of the basin. As the cover is made to project one-half inch over the front of the basin, the cattle will soon learn to raise the covers themselves. They are hinged to the back of the basin so that they will drop automatically. They are made in two styles single and double thickness of 20 gauge galvanized iron to fit either No. 1 basin or No. 2 basin.

**Size of Basin and Float Tank**--No. 1 Basin, 13 inches long inside, 8 inches wide inside at top, 7 inches deep. No. 2 Basin, 15 inches long inside, 8 inches wide inside at top, 8 1-4 inches deep. Galvanized Float Tank and Tight Cover, 28 inches long, 15 inches wide, 17 inches high.

**MERIDIAN HAY RACK.**

We combine in our Hay Racks, simplicity, lightness, strength and durability, too well known to require any recommendation. Manufactured of selected lumber and well bolted.

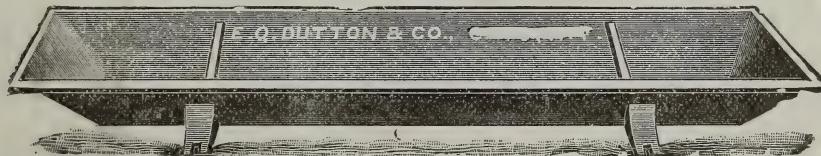
Price, 16-foot racks, \$13.00. 14-foot racks, \$12.00.

**OUR IMPROVED SLIP.**

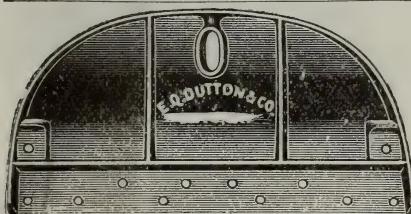
The above cut represents our Improved Slip, which any farmer can make by using our castings, which are shown in the front part of the cut. These castings are all finished and ready for the 3x6 inch maple runners. Since it is impossible to get Slip Runners sawed with the right sweep, any farmer will appreciate the benefit of our castings at a glance.

All complete like above cut, \$8.50.

Set of Shoes for above, \$2.75.

**IRON HOG TROUGH.**

No more trouble building Hog Troughs. One of these will last a lifetime. Made in four sizes 3, 4, 5, and 6 feet, 8 inches deep, 12 inches wide. Price 50 cents per foot.

**IRON STONE BOAT HEAD.**

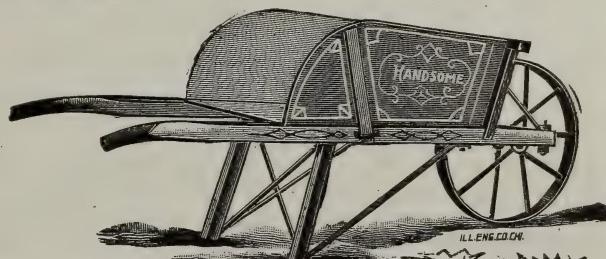
A Simple, Complete and Inexpensive device whereby a Stone Boat can be made in a few minutes by using straight plank. One head will last for years.

**Price \$3.00 Each**

**GARDEN BARROWS.**  
**\$3.00 to \$5.00.**

**DIRT BARROWS,**  
**\$2.00. \$2.25.**

**STABLE BARROWS,**  
**STEEL TRAY,**  
**\$3.50 and up.**



"WE SELL HARDWARE, GLASS, PUTTY, NAILS, CUTLERY, ETC."

# STANDARD CYPHERS COMBINATION BROODERS AND COLONY ROOSTING COOPS.

**FOR 1912**

Cyphers Unequalled Apartment Brooders and combination roosting coops have the same important advantages over all other makes that are possessed by Cyphers Company's 1912 incubators, in that they are fire-proofed and insurable, having the first fire insurance inspection label ever granted on a brooder.

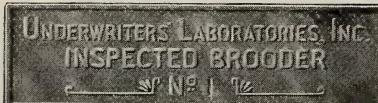
**Cyphers 1912 Brooders,** every size and style, are self-regulating, self-ventilating and varmint proof. The outdoor styles are useable also as colony coops for the growing chicks. They are easily and quickly converted into colony roosting coops by simply taking out the hover, which is made removable for that purpose.

FIRE-PROOFED, INSURABLE, SELF-REGULATING.



**STYLE B OUTDOOR BROODER.**

(Three apartments. Safest and most popular "Foster Mother" ever designed.)



## DEMAND THIS LABEL YOUR SAFETY

Form of Brass Label to be found (in serial number) on every Cyphers Brooder. All sizes.

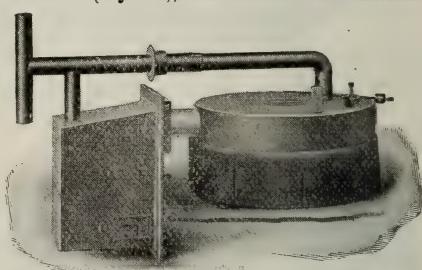
It has often been said of Standard Cyphers Incubators that

## THEY MOTHER THE CHICKS BETTER THAN A HEN.

An Important Reason for this is found in the great practical advantage possessed by the entire line of Cyphers Brooders for 1912 in their self-regulating feature. For years the self-regulator was attached only to the highest priced Cyphers Brooder (Style C), but it was so well received that now it is attached to all Cyphers Company brooders. It automatically regulates the heat in the brooder underneath the hover at all times, whereas in brooders without a regulator the heat has to be governed by a continuous watching of the lamp and turning the wick up or down whenever more or less heat is required.

In addition to this unequalled line of brooders, we offer separately the Cyphers Company's world's challenge Adaptable Hover. This machinery-made, all metal, guaranteed fire proof heating and brooding device is suitable to be used anywhere that heat is required for brooding chicks or ducklings. It can be used in a roosting coop, colony house, shed, hen house, barn or other building with or without any additional enclosure for the chicks, or in a large goods case or organ or piano box.

Is pronounced by thousands of users to be the best device thus far invented for heating home-made brooders. Recommended especially for use in long brooding houses, one hover for each pen. Adaptable hover is complete in itself, bears insurance label as a separate device, and is safe to use anywhere. Weight, boxed for shipment, only 40 pounds.



## ALL METAL ADAPTABLE HOVER.

(Self-Regulating and Bears Insurance Label as Separate Device.)

## Sizes and Prices of Cyphers Adaptable Hover and Brooders.

Free on Board Cars, Syracuse, N. Y.

Adaptable Hover, capacity 75 chicks, . . . . .	\$ 8.50
Style A, Two Apartment Outdoor brooder, capacity 75 chicks, . . . . .	12.50
Style B, Three Apartment Outdoor Brooder, capacity 100 chicks, . . . . .	16.50
Style C, Three Apartment Outdoor Brooder, capacity 100 chicks, . . . . .	18.50
Style D, Three Apartment Indoor Brooder, capacity 75 chicks, . . . . .	11.50

WE ARE AUTHORIZED AGENTS FOR

**GENUINE STANDARD CYPHERS INCUBATORS PATENTED**

(Look for Trade Mark—Demand the Label.)



Practical poultry raisers who mean business and desire the greatest possible success should look for and **DEMAND** the qualities that have made Cyphers Incubators **WORLD FAMOUS**.

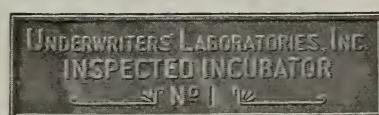
**Fire-Proofed**  
**Insurable**  
**Self-Ventilating**  
**Self-Regulating**  
**Non-Moisture**  
**Efficient, Durable and**  
**Positively Guaranteed.**

**FOR 1912**

We offer our customers the Cyphers Company's complete line of incubators and brooders—the best on the market. For years the Cyphers Incubator has been consistently improved, always maintaining its leadership until to-day it represents all that is most efficient, convenient and reliable in incubator instruction.

**To own a Cyphers** is to have an incubator that stands first, not only because it has affixed to it the fire insurance label granted by the National Board of Fire Underwriters and bears a world-wide reputation, but because of the well established fact that it is the best hatcher of large, vigorous, livable chicks. It is positively guaranteed to outmatch any other make of incubator under widely varying conditions, season after season, and to last ten years without repairs.

Form of Brass Label to be found (in serial numbers) on every Standard Cyphers Incubator. All sizes.



**DEMAND THIS  
LABEL.**

**YOUR SAFETY.**

**The Principles of Construction** that have made Cyphers Incubators "the world's standard hatchers" for the last twelve to fifteen years remain unchanged in the 1912 pattern. Their patented features, their entire freedom from the bothers, disappointments and losses common to the "cheap" or "bargain" incubator, make these high-class machines the best for you to own first, last and all the time. They are used with unequalled success in all parts of the civilized world, under every practical condition by men and women in all walks of life. They are money savers and money makers for poultry raisers who "mean business"—for men and women who want a real incubator with which to get out of poultry keeping all the profit and all the pleasure there is in it.

**Cyphers Incubators** have now been on the market fifteen years, and to-day are used by more Government Experiment Stations, on more large, practical poultry plants, on more successful duck and egg farms and by a large number of foremost poultry breeders than all other makes combined. For proof of these statements send to us for a copy of Cyphers Incubator Company's latest complete catalogue—1912 edition—now ready for mailing, free on request. Book contains 244 pages, 7 1/2x10 inches.

**Every Standard Cyphers Incubator is Guaranteed** by the manufacturers to do first-class work in the hands of every purchaser who will give it a fair trial, and we hereby place our guarantee back of theirs. In buying a Cyphers you take no chances. Persons who earnestly desire to succeed in the poultry business should have the right tools with which to work. Write us to day for free illustrated catalogue telling all about these superior hatching machines.

**SIZES AND PRICES OF CYPHERS INCUBATORS.**

Free on Board Cars, Syracuse, N. Y.

No. 0 Holds 70 Hen Eggs, . . . . .	<b>\$15.00</b>	No. 2 Holds 244 Hen Eggs, . . . . .	<b>\$32.00</b>
No. 1 Holds 144 Hen Eggs, . . . . .	<b>22.00</b>	No. 3 Holds 390 Hen Eggs, . . . . .	<b>38.00</b>

**NOTICE.**—The above prices are factory prices. In buying of us you save on freight and also save valuable time. Goods are carried in stock by us the year around. Remember that time is money.

## CYCLE HATCHERS, BROODER--HATCHERS AND



**PHILO SYSTEM  
GALVANIZED IRON  
FIRELESS BROODERS**



## **Prices of Brooder Hatchers.**

1 Brooder Hatcher, with thermometer,	\$ 8 00
2 Brooder Hatchers, " " 15 75	
4 Brooder Hatchers, " " 29 25	

## **Prices of Cycle Hatchers.**

1 Cycle Hatcher, with thermometer,	\$ 6 50
2 Cycle Hatchers, "	12 25
4 Cycle Hatchers, "	23 25

## **Prices of Galvanized Iron Philo Lampless Brooders.**

1	Galvanized Iron Brooder, large size,	\$ 2 75
2	" " " "	5 15
4	" " " "	10 00
1	" " " medium size,	2 25
2	" " " "	4 15
4	" " " "	8 00
1	" " " small size,	1 75
2	" " " "	3 15
4	" " " "	6 00
1	Set three Galvanized Iron Brooders, one of each size.	5 50



Hopper is locked for the night by a hook in lower end, making it absolutely rat-proof.

# BOSTON DRY FOOD HOPPER

## The Food-Saving, Rat-Proof Hopper That Made Dry-Feeding of Poultry a Success

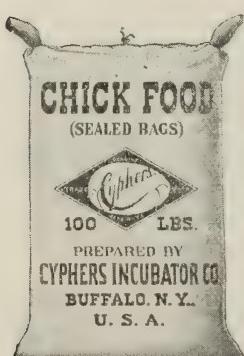
**The use of these hoppers will positively save their original cost every week in the case of adult fowls and every month or less in the case of chicks.** Besides this they will help greatly to keep your fowls and chicks in a healthy condition by insuring them clean food entirely free from filth of any kind. Every poultryman will appreciate this feature.

These hoppers are made in four sizes, two for chicks and two for adult fowls. Half bushel size is for dry feed of any kind, fed either indoors or outdoors; similar shaped smaller size is for beef scrap, charcoal, oyster shell, grit, etc. Chick sizes keep food clean and prevent bowel trouble.

<b>Prices:</b>	Large Dry Feed, holds 1-2 bu.,	each \$1.00
	Beef Scrap, Grit, etc., holds 1 peck,	" .90
	Long Chick Size, holds 1 peck,	" 1.50
	Short Chick Size, holds 1-2 peck,	" 1.00

## POULTRY FOODS.

~~•~~ THESE PRICES SUBJECT TO CHANGE



**EBELING'S POULTRY CHARCOAL.** Per bag \$1.25

<b>CHICK FOOD,</b>	50 lb. bag, \$1.40;	100 lb. \$2 50
<b>DEVELOPING FOOD,</b>	" 1.25;	" 2.25
<b>FORCING FOOD,</b>	" "	" "
<b>SCRATCHING FOOD,</b>	" "	" "
<b>LAYING FOOD,</b>	" "	" "
<b>SHORT-CUT ALFALFA,</b>	" "	" "
<b>MEALED ALFALFA.</b>	" "	" "
<b>SHREDDED ALFALFA.</b>		" 2.00



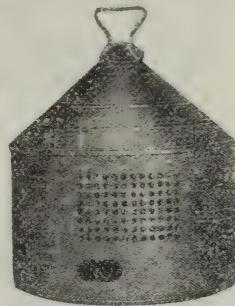
## A WONDERFUL CHICKEN COOP

We are very glad to be able to offer our customers our Patent Galvanized Chicken Coop. It has proven itself to be a real necessity with all poultry raisers.

This Coop is made of the best galvanized iron. It cannot draw dampness, nor can lice and other vermin live in the metal coop. You can remove the bottom of the coop at any time and scrape it out. Think of the many times your mother hens have smothered their chicks to death by crowding them into the corner of an old-fashioned coop.

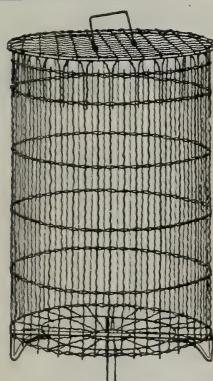
One of the greatest advantages of this coop is the patent door which is really four doors in one. The illustration at the top shows the door open, allowing the hen and chicks to run in and out. Shoving the door to the left, as shown in the picture at the right, allows only the chickens to pass through. If you move the door a few inches further to the left the chicks are housed for the night absolutely save from rats, weasels, skunks and other small animals constantly on the hunt for your chicks. On a cold, stormy night shove the door still further to the left and it makes a tight door. There is a perfect ventilating system in this coop. The handle at the top enables the coop to be easily carried.

If you save only a few chicks each season with this coop, it will pay for itself over and over again as it will last from 10 to 15 years.



**Price, \$3.00**

**SETTING EGG BOXES**—An absolute necessity for setting and laying hens. Just what you're looking for. **Price, only 25 cents.**



## To Burn Your Rubbish

You know the troubles of the old-fashioned dry goods box and open fire method of consuming rubbish. How the wind scatters the papers and cinders over your lawn and into your windows; how your neighbors scowl at the smudge. Then you will appreciate a safe and sane way of burning your rubbish without dirt or danger. You are offered

## THE CYCLONE CONSUMER

This is a neat and sanitary wire basket that is made especially to receive waste paper, old rags and rubbish in general. It can be placed in any convenient spot indoors or out, and if the paper man does not carry away your waste a match will empty the basket in just a few minutes. There is no dirt, no danger. It is made in four sizes. No. 1 is intended for printing offices, stores and wherever large quantities of waste accumulate.

No. 1—20 in. diam. x 30 in. high, price \$3.50  
No. 2—17 in. diam. x 17 in. high, price \$2.75

No. 3—14 in. diam. x 21 in. high, price \$2.50  
No. 4—12 in. diam. x 18 in. high, price \$2.25

## MASCOT HAND CARTS

### Handy No. 1

Box, 20 x 40 x 8 inches—three wheels. Capacity, 250 lbs. Shipping Weight, 75 lbs.

With 26-in. side wheels, 3-16 in. spokes. For light delivery it can't be beat. A handy all around cart, useful for a hundred purposes and will pay for itself in a short time. Every farmer should have one. Price, \$10.00.



We are Headquarters for PRATT'S Animal and Poultry Regulators and Remedies. 40 years on the market.

# There is Only One "BEST"

THAT IS

Satisfaction  
or your  
Money Back

*Pratts,*

39 Years on  
the Market

## Guaranteed Animal and Poultry Regulators and Veterinary Remedies



Pratts Poultry Regulator

The best and most famous poultry tonic in the world. Keeps fowls of all kinds healthy increases egg-production, aids moulting. Makes little ch cks grow rapidly. In packages, sacks and pails. 25c. upwards.



Pratts Roup Cure

A guaranteed cure for roup, colds, cankers, catarrh, etc., in fowls. Very economical to use. Many prominent poultrymen use it the year around as a preventive. 25c. and 50c. pkgs.



Pratts Powdered  
Lice-Killer

A powerful insecticide and disinfectant in powdered form; put up in sprinkler top boxes. The increased egg-production due to the ridging your fowls of vermin will surprise you. It pays well to use it. 25c. and 50c.

Pratts Animal Regulator

America's pioneer and best animal tonic and regulator; enables your horse to do more work, saves feed, increases your cows' milk, puts your hogs, sheep and steers in fattening condition, makes and keeps all stock healthy. 25 lb. pail, \$3.50. In packages and sacks from 2c upward. It pays to use large sizes.



Pratts Veterinary Colic Cure

A guaranteed colic cure with a record of 998 cures out of 1000 cases. You should always have a bottle handy. Its use is "horse insurance." In 50c. and \$1.00 bottles.



Pratts Veterinary Liniment

A guaranteed liniment for use in cases of inflammation, sprains, bruises, rheumatism, sore throat, etc., in either man or beast. A real wonder worker. 25c. 50c. and \$1.00 bottles.



Pratts Healing Ointment

A splendid antiseptic healing ointment for cuts, galls, scratches, etc. Alleviates inflammation and heals quickly without a scab. For man or beast. In 25c. and 50c. boxes.

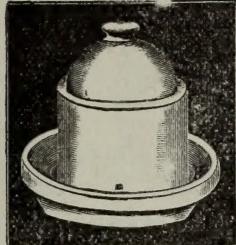


Remember "Pratts Must Make Good or Your Money Back" Isn't that Square?

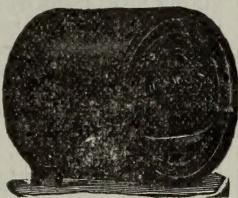
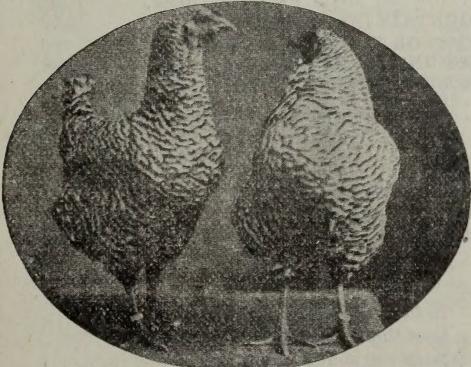
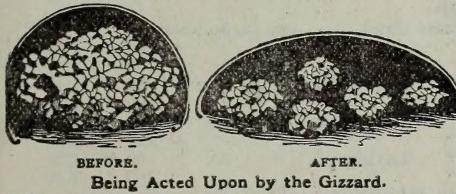
F. H. EBELING, SOLE AGENT AND DISTRIBUTOR FOR SYRACUSE.

For Prices of Goods on this page, see following two pages.

A. H. M. Poultry Fountains.

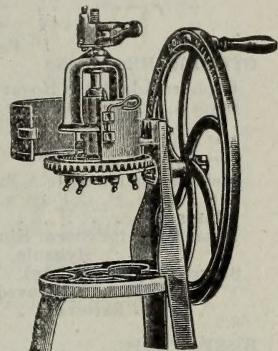
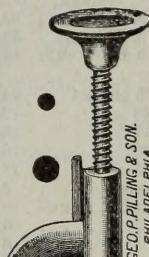


W. R. Poultry Fountains.

PHILADELPHIA MANN'S CELEBRATED  
POULTRY MARKER. GREEN BONE CUTTER.ANIMAL MEAL  
MAKES HENS LAY.GRANITE CRYSTAL GRIT MAGNIFIED  
Crystal Formation.**POULTRY SUPPLIES.**

We call special attention to the last pages of this Catalogue which contain a complete list of Poultry Supplies. All goods guaranteed.

Eureka Non-Freezing

Eureka  
Non-Freezing**EBELING'S  
GUARANTEED ROUP CURE**

This Roup Cure is guaranteed to cure Roup where it is used according to directions. In this pack-  
age, except in cases where the fowl is in the most  
and incurable stages of the disease. In case it fails  
we will refund the price of the preparation.

Directions for Use.

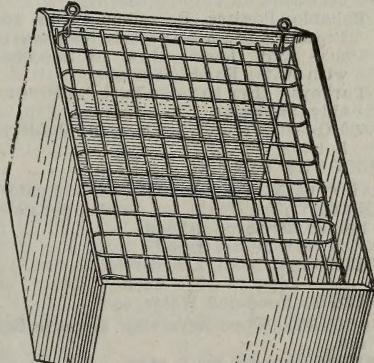
ADJUSTABLE ALUMINUM LEG BANDS.

(R) A 9663

D O



**"THE BOSTON"**  
POULTRY DRY FEED HOPPER  
Holds 1-2 Bushel.  
Price, \$1.00 and \$2.50.



**F. H. EBELING, SEEDS AND HARDWARE**  
**POULTRY SUPPLIES**

CYPHERS INCUBATOR, No. 0, 70-egg.	\$15.00	CORN SHELLERS (Iron King), each.	1.00	
"    "    "    1, 144-egg.	22.00	CAPONIZING SET, each.	2.50	
"    "    "    2, 244-egg.	32.00	CANDLE, Sulphur Fumigating, each.	.15	
"    "    "    3, 390-egg.	38.00	COOKERS, Food, 30 gal. size, each.	11.00	
"    "    Farm Economy,	12.00	CUTTERS		
CYPHERS BROODERS		(See opposite page)		
Cyphers Adaptable Hover, 75 chicks	\$9.50	Banner Root, No. 7.	5.00	
Style A, Outdoor Brooder	75 "	Fancier's Root,	1.00	
"    B, "    100 "	16.50	Root, Pulley and Crank, No. 26,	12.00	
"    C, "    100 "	18.50	"(Crank only),	9.00	
"    D, Indoor	75 "	EGGS for Hatching, Price on application		
Metal Parts for Style A Brooder	6.00	EGG PACKAGE Imperial (see Package.)		
"    "    Colony without Regu-	6.00	EGG CABINET		
lator,		Wood Revolving, 150-egg,	3.00	
Metal Parts for Storm King,	6.00	"    "    288-egg,	5.00	
"    "    Hygenic,	6.00	"    "    580-egg,	6.25	
Stoves (Cyphers Safety),	1.75	"    "    1050-egg,	10.00	
"    "    (Cyphers Improved),	1.75	Wood's Pony, 72-egg,	.75	
"    "    (1907 Pattern),	1.50	EGG BOXES (Paper), 12 egg, per doz.,	.10	
BEEF SCRAPS,	Per lb.	"    "    24-egg,	.45	
"    "    3 1-2c.	3.00	EGG CARRIERS (Wire), 6 doz., each,	1.20	
BEEF MEAL,	5c.	"    "    9 "	1.40	
CRUSHED SHELL,	2c.	"    "    15 "	1.60	
BONE, granulated, ex. quality,	4c.	"    "    28 "	2.20	
BONE MEAL, Raw,	3c.	"    "    30 "	2.50	
BLOOD MEAL,	6c.	EGG, Porcelain Nest, per doz.,	.30	
ALFALFA, Short Cut,	3c.	EXTRACTORS, each,	.25	
"    Shredded,	3c.	EGGS, Medicated, per doz.,	.50	
"    Mealed,	3c.	"    Preservative, 1 gal. jugs, each,	1.00	
	Per doz.	EGG CASE, 30 doz. size, each,	1.25	
BANDS, Double Clinch	.15c.	FOOD		
"    Champion,	.15c.	Cyphers Chick, per lb., 3c.; per 100 "	2.75	
"    Pigeon Leg,	.15c.	"    "    50 "	1.50	
BONE CUTTERS		"    Forcing,	3c. " 100 "	2.25
Mann's, No. 5 C., with Crank Handle,	6.00	"    Scratching,	2 1/2c " 50 "	1.25
"    No. 5 B., with Balance Wheel,	8.00	"    "    2 1/2c " 100 "	2.25	
"    No. 5 B. M., with Iron Stand		"    Developing,	3c. " 50 "	1.15
and Balance Wheel,	10.49	"    "    "    100 "	2.25	
Mann's, No. 7, Balance Wheel,	12.00	"    Laying,	3c. " 50 "	1.25
"    No. 7 1-2, Semi-Power,	16.00	"    "    "    100 "	2.25	
"    No. 9, with Balance Wheel and		FOOD HOPPERS (see Hoppers.)		
Iron Stand,	18.40	FOOD HOLDERS, small, each,	.75	
Mann's, No. 11, Power Machine,	26.00	"    "    medium, each,	1.00	
"    No. 12,	30.00	"    "    large, each,	1.25	
CLOVER CUTTER, without stand,	8.50	FOUNTAINS		
"    "    with stand,	10.50	Wall, 1 gallon, each,	.50	
BOXES FOR GRIT AND SHELL, each,	.50	"    2 "	.75	
BOWKER'S ANIMAL MEAL, 10 lb. bags,	.30	Drinking, Galv. Iron, small, each,	.20	
"    "    25 "	.68	"    "    medium, each,	.25	
"    "    50 "	1.25	"    "    large, each,	.35	
"    "    100 "	2.25	"    "    special duck,	.50	
BONE AND SHELL MILL (see Mill)		FOUNTAIN (Warm Water Drinking),	1.50	
BOOKS—POULTRY		FOOD OR WATER CUPS (see Cups.)		
999 Questions and Answers, latest and		FENCING, M. M. S. Poultry, No. 19, Galv. Wire.		
best book on Poultry Raising,		In. high. Per bale.	In. high. Per bale.	
Reliable Poultry Remedies, How to		12 \$1.50	42 \$3.50	
Prevent and Cure Diseases (84 pages),	.25	18 2.00	48 3.75	
Ducks and Geese, How to Succeed		24 2.25	60 4.50	
with Water Fowls (68 pages),	.50	30 2.75	72 5.00	
Turkeys, How to raise Turkeys Profit-		36 3.00	84 5.75	
ably (84 pages),	.50	Each roll contains 165 ft. - long.		
500 Questions and Answers in Poultry		FENCING, REGULAR POULTRY, 2 inch mesh.		
Raising,	.50	2-inch mesh. 12-inch. 2-inch mess	48 inch	
BROODER STOVES,	1.75	2 " " 18 " 2 " " 60 "		
CAPONIZING INSTRUMENTS (postpaid)	2.75	2 " " 24 " 2 " " 72 "		
CEMENT (Tar Paint for Roofs), per gal-		2 " " 36 " "		
lon, \$.50; three gallons,	1.25	In full rolls 1-2c. per square foot.		
OOOP, New Model Brood,	3.50	Less than full rolls 3-4c. per square foot.		
CHARCOAL, Nodi, 2 lb. carton,	.10	Each roll contains 150 lineal feet.		
"    "    50 " sack,	1.25	AMERICAN POULTRY FENCE		
CUPS for Food and Water, each,	.15	A fence, not a netting		
CABINETS (Wood Revolving Egg (see Egg Cab-		2158 . . . . . per rod 45c.		
net.)		1558 . . . . . per rod 40c.		
COOPS, Cyphers No. 2, each,	.50			
"    "    No. 4,	.60			
"    "    No. 6,	.75			

## POULTRY SUPPLIES---Continued.

73

<b>FLY PEST,</b> Cyphers Anti, 1-2 gal., each, . . . . .	.50	<b>ROOT CUTTERS</b> (see Cutters.)	
" " " 1 " " . . . . .	.75	<b>ROOFING,</b> Flintkote, 1-2 ply, per square, . . . . .	1.75
" " " 5 " " . . . . .	3.50	" " 1 " " " . . . . .	2.25
<b>GRIFF,</b> Crystal Granite, in three sizes, . . . . .		" " 2 " " " . . . . .	3.25
Per lb., . . . . .	.75	" " 3 " " " . . . . .	4.00
<b>GRIFF,</b> Foust Health, per lb., 3c.; " 100, . . . . .	2.00	Each roll contains one or two squares.	
<b>GUN,</b> Jumbo Powder, each, . . . . .	.25	<b>ROOFING,</b> Cypher's Red Rope, . . . . .	
<b>GRAINS,</b> Corn Cracked, per bushel, . . . . .		100 square feet, per roll, . . . . .	.90
Canada Peas, " " Market		500 " " " . . . . .	4.00
Wheat, Red, " " . . . . .		<b>ROOFING,</b> Tar, 2-ply, 100 square feet, . . . . .	.85
Buckwheat, " " Prices		" " 3 " 100 " " . . . . .	1.00
Millet, " " . . . . .		" CAPS, Tin, per lb., . . . . .	.07
<b>HOUSE,</b> Shed Roof, each, . . . . .	20.00	" NAILS, per lb., . . . . .	.05
Suburban Portable, each, . . . . .	25.00	<b>SHELTERS,</b> Chick, 6 feet, . . . . .	4.50
Hare-Curtis Poultry, each, . . . . .	20.00	" " 12 " . . . . .	7.00
Apex Poultry (no Run way), each 10.00		<b>SHELLS,</b> Oyster, per 100, . . . . .	.60
" (with Runway), ea. 15.00		Special price for larger lots.	
Cypher's Colony, each, . . . . .	8.00	<b>SULPHUR FUMIGATING CANDLES</b> (see Candles.)	
<b>HOPPERS,</b> Dry Food, each, . . . . .	75c., 1.00	<b>SPRAY PUMPS</b> , for Spraying Whitewash, each, . . . . .	\$3.00 and 5.00
<b>KNIVES,</b> Poultry Killing, each, . . . . .	.50	<b>SPRAYERS,</b> Compressed Air, Galv. Iron, each, . . . . .	5.00
<b>LICE REMEDIES</b> (see Powders.)		<b>SPRAYERS,</b> . . . . .	50c. to 1.00
<b>MACHINE,</b> Simplex Cramming, each, . . . . .	10.00	<b>STAPLES,</b> Fence, per lb., . . . . .	.05
<b>MARKERS,</b> Philadelphia Poultry, each, . . . . .	.25	Poultry Fence, per lb., . . . . .	.10
<b>MILL,</b> Green Bone (see Bone Cutters.)		<b>SHEETING,</b> Waterproof, 25 yard lots, 4 inches wide, per yard, . . . . .	.20
" Dry Bone and Shell (without stand) each, . . . . .	5.00	<b>SALT CAT,</b> per brick, . . . . .	.10
<b>MILL,</b> Dry Bone and Shell (with Stand), each, . . . . .	7.00	" per dozen, . . . . .	1.75
<b>MILL,</b> Tennessee Grinding, each, . . . . .	2.00	Add 20c. extra for postage.	
" (Extra Grinders for same), each, . . . . .	.25	<b>THERMOMETER,</b> Incubator, each, . . . . .	.60
" Oriole Farm and Grist, No. 2 1-2, each, . . . . .	25.00	Brooder, unmounted, . . . . .	
<b>MILL,</b> Balance Wheel Grist, each, . . . . .	2.25	each, . . . . .	.45
<b>MEDICAL AND SURGICAL CASE,</b> Cypher's Poultry, each, . . . . .		<b>THERMOMETER,</b> Brooder, mounted, ea. . . . .	.55
<b>MEDICAL CASE,</b> Separate, each, . . . . .		<b>TESTERS,</b> Practical Egg, each, . . . . .	1.25
<b>SURGICAL</b> " " . . . . .		" X Ray Egg, each, . . . . .	.25
<b>MOISTURE DEVICE,</b> Automatic, each, . . . . .		" Pedigree Egg, No. 0, each, . . . . .	1.25
<b>NEST WIRE,</b> each, . . . . .		" No. 1, " . . . . .	1.50
<b>NAPCREOL,</b> 1 quart, each, . . . . .		<b>TRAYS,</b> Pedigree Egg, No. 2, per pair, . . . . .	4.00
" 2 " " . . . . .	.85	" No. 3, " . . . . .	4.75
" 4 " " . . . . .	1.50	<b>TOBACCO STEMS,</b> 10 lb., . . . . .	.25
<b>NESTS,</b> Earthen Pigeon, each, 15c.; doz., . . . . .	1.75	" 50 " . . . . .	1.00
<b>PACKAGE,</b> Imperial Egg, 15-egg, doz., . . . . .	2.25	" 100 " . . . . .	2.00
" " " 30 " . . . . .	2.75	<b>TRAP NESTS,</b> each, . . . . .	1.60
" " " 45 " . . . . .	3.75	<b>WIRE POULTRY NETTING</b> (see Fencing.)	
<b>PAINT,</b> White Water (Painting inside of Country Houses per lb., 8c.; per 100, . . . . .	5.00	<b>POULTRY FOOD</b>	
<b>PAINT,</b> Lice (Liquid), 1 quart, . . . . .	.35	Pratt's, per pkg., . . . . .	25c. and .50
" " " 2 " . . . . .	.60	Lee's Egg Maker, per pkg., . . . . .	25c. and 2.00
" " " 1 gallon, . . . . .	1.00	" Prolific, per pkg., . . . . .	25c. and .90
<b>PERCH SUPPORT,</b> Lice Proof, per pair, . . . . .	.25		
" " " Pigeon, each, . . . . .	.10		
	.25		
<b>PHILADELPHIA POULTRY MARKER,</b> . . . . .			
<b>POULTRY BOOKS</b> (see Books.)			
<b>POULTRY HOUSES AND FIXTURES</b>			
Pins for Practical Building and Equipment (36 pages), (H), . . . . .			
200 Eggs A Year per Hen, and How to Get Them, . . . . .	.35		
Pigeons, all About Them. (Maj. Gilbert), . . . . .	1.00	<b>CANARY,</b> . . . . . 10c. per lb., . . . . . 3 for .25	
Poultry Craft, . . . . .		HEMP, . . . . . 10c. " " " . . . . . 3 " .25	
Broilers and Roasters, . . . . .		RAPE, . . . . . 10c. " " " . . . . . 3 " .25	
Farm and Poultry Doctor, . . . . .		MILLET, . . . . . 10c. " " " . . . . . 3 " .25	
A Living from Poultry, . . . . .		MAW, . . . . . 20c. " " " . . . . . 3 " .50	
Cyphers Series, Nos. 1 to 6, . . . . .		UNHULED RICE, . . . . . 10c. " " " . . . . . 3 " .25	
" " " No. 7, . . . . .		SUNFLOWER SEED, 10c. " " " . . . . . 3 " .25	
" " " No. 8, . . . . .	.25	SHEPARD SONG RESTORER, per bottle, . . . . . .25	
POWDERS, Lambert's Lice, 5 oz., . . . . .	.10	MARSHALL'S " " " . . . . . .25	
" " " 15 " . . . . .	.25	MOCKING BIRD, per bottle, . . . . . .30	
" " " 48 " . . . . .	.50	BIRD GRAVEL, . . . . . 10c. pk., 3 for .25	
" " " 100 " . . . . .	1.00	CUTTLE BONE, per oz., . . . . . .05	
<b>REGULATORS,</b> Electric, each, . . . . .	22.00	PEPPER SEED, per oz., . . . . . .10	
<b>REMEDIES</b>		LETTUCE SEED, per oz., . . . . . .05	
Cyphers Poultry (Case complete), each, . . . . .	2.00		
(Single Vials), each, . . . . .	.25		
<b>ROUP CURE,</b> Ebeling's Guaranteed, . . . . .	.50		
" " " Conkey's, . . . . . 25c. 50c. and 1.00			
" " " Rust's, . . . . . 25c. and .50			

F.H.Ebeling  
SEEDSMAN

43<sup>rd</sup> Annual Catalogue

HARDWARE,  
PAINTS,  
MACHINERY,  
IMPLEMENT,  
WAGONS,  
DRAIN TILE.

1868 -  
1912



SYRACUSE, N.Y.

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WAREHOUSE 538-540 CANAL ST.